

NCC Test Report

Equipment : 802.11abgn+ac + Bluetooth 2.1+3.0+4.0(Module)
Brand Name : NVIDIA
Model Name : P3310
Applicant : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134, USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134, USA
Standard : LP0002 Section 4.7 (2018-01-10)

The product was received on Sep. 13, 2018, and testing was started from Sep. 13, 2018 and completed on Sep. 26, 2018. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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Report Template No.: HE1-D1 Ver2.0

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	4.7.8	Antenna Requirement	PASS	-
3.1	2.3	AC Power-line Conducted Emissions	PASS	-
3.2	4.7.3	Emission Bandwidth	PASS	-
3.3	4.7.3	Maximum Conducted Output Power	PASS	-
3.4	4.7.3	Peak Power Spectral Density	PASS	-
3.5	4.7.4	Unwanted Emissions	PASS	-
3.6	2.11	Receiver Radiated Unwanted Emissions	PASS	-

Reviewed by: Sam Tsai

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [8]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [3]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530	106 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX(Port 1)
5.25-5.35GHz	802.11a	20	1TX(Port 1)
5.47-5.725GHz	802.11a	20	1TX(Port 1)
5.725-5.85GHz	802.11a	20	1TX(Port 1)
5.15-5.25GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11n HT20	20	2TX
5.47-5.725GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Shanghai Amphenol Airwave	Ci8717-15-000-R	PCB Antenna	I-PEX
2	Shanghai Amphenol Airwave	Ci8717-15-000-R	PCB Antenna	I-PEX
3	Shanghai Amphenol Airwave	CI8904-02-000-R	Dipole Antenna	I-PEX
4	Shanghai Amphenol Airwave	CI8904-02-000-R	Dipole Antenna	I-PEX

Ant.	Port	Gain (dBi)					
		2.4G	BT	5G			
				U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
1	1	6.02	6.02	5.53	6.48	7.91	5.38
2	2	6.02	-	5.53	6.48	7.91	5.38
3	1	4.58	4.58	3.52	4.48	3.75	4.06
4	2	4.58	-	3.52	4.48	3.75	4.06

Note: The EUT has two antenna configurations.

Type 1: Antenna 1(port 1) + Antenna 2(port 2)

Type 2: Antenna 3(port 1) + Antenna 4(port 2)

For 2.4GHz function:

For IEEE 802.11 b/g mode (1TX/1RX)

Support diversity function and pre-tested on each single chain, the worst case was Port 2 and it was record in this test report.

For IEEE 802.11 n mode (2TX/2RX)

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a mode (1TX/1RX)

Support diversity function and pre-tested on each single chain, the worst case was Port 1 and it was record in this test report.

For IEEE 802.11 n/ac mode (2TX/2RX)

Port 1 and Port 2 could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Port 1 could transmit/receive simultaneously.

1.1.3 EUT Information

Identify EUT			
RF Chip	Broadcom/BCM4354		
Operational Condition			
EUT Power Type	From Switching Power Supply		
EUT Function	☐ Outdoor	☐ Indoor	
	☐ Fixed P2P	☒ Client	
Beamforming Function	☐ With beamforming	☒ Without beamforming	
Weather Band	☐ With 5600~5650MHz	☒ Without 5600~5650MHz	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.:		...
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		...
☐	Other:		

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.935	0.292	1.43m	1k
802.11n HT20	0.932	0.306	1.339m	1k
802.11n HT40	0.851	0.701	667.188u	3k
802.11ac VHT80	0.615	2.111	187.5u	10k

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ LP0002 (2018-01-10)
- ♦ ANSI C63.10-2013
- ♦ KDB 789033 D02 v02r01
- ♦ KDB 662911 D01 v02r01
- ♦ ANSI C63.4-2014

1.3 Testing Location Information

Testing Location					
☒	HWA YA	ADD	:	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL	:	886-3-327-3456	FAX : 886-3-327-0973
☐	JHUBEI	ADD	:	No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL	:	886-3-656-9065	FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Dexter	24.3°C / 66%	26/Sep/2018
Radiated	03CH09-HY	Andy Hsu	23.2°C / 56%	20/Sep/2018
AC Conduction	CO04-HY	Jerry Lin	24.5°C / 55.5%	22/Sep/2018

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	110V

2.2 Test Channel Mode

Test Software	Dos
---------------	-----

PCB Antenna

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_1TX(Port1)	-
5180MHz	19
5200MHz	26
5240MHz	20.5
5260MHz	20.5
5300MHz	20.5
5320MHz	19.5
5500MHz	17.5
5580MHz	19.5
5700MHz	17
5745MHz	26
5785MHz	26
5825MHz	26
802.11n HT20_Nss1,(MCS0)_2TX	-
5180MHz	18.5
5200MHz	19.5
5240MHz	19.5
5260MHz	18.5
5300MHz	18
5320MHz	18
5500MHz	15
5580MHz	17.5
5700MHz	11
5745MHz	26
5785MHz	26
5825MHz	26

Mode	PowerSetting
802.11n HT40_Nss1,(MCS0)_2TX	-
5190MHz	12
5230MHz	18
5270MHz	19
5310MHz	12.5
5510MHz	10.5
5550MHz	18
5670MHz	15.5
5755MHz	20
5795MHz	20.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	12
5290MHz	14
5530MHz	14
5775MHz	19

Dipole Antenna

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_1TX(Port1)	-
5180MHz	18.5
5200MHz	20.5
5240MHz	20.5
5260MHz	20.5
5300MHz	20.5
5320MHz	18.5
5500MHz	17.5
5580MHz	19.5
5700MHz	14
5745MHz	26
5785MHz	26
5825MHz	26
802.11n HT20_Nss1,(MCS0)_2TX	-
5180MHz	18
5200MHz	20
5240MHz	20
5260MHz	20
5300MHz	20
5320MHz	17.5
5500MHz	15.5
5580MHz	19.5

Mode	PowerSetting
5700MHz	11
5745MHz	26
5785MHz	26
5825MHz	26
802.11n HT40_Nss1,(MCS0)_2TX	-
5190MHz	11
5230MHz	17.5
5270MHz	18
5310MHz	11.5
5510MHz	14
5550MHz	18
5670MHz	15
5755MHz	20
5795MHz	20
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	12
5290MHz	11
5530MHz	14
5775MHz	18.5

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX / CRX
1	Switching Power Supply ; PCB Antenna
2	Switching Power Supply ; Dipole Antenna

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Frequency Stability
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions Receiver Radiated Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode	CTX / CRX
1	Switching Power Supply ; PCB Antenna
2	Switching Power Supply ; Dipole Antenna
Orthogonal Planes of EUT	Z Plane
	
Worst Planes of EUT	V

2.4 Support Equipment

Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	Fixture	-	-	-

Note: Support equipment No.3 was provided by customer.

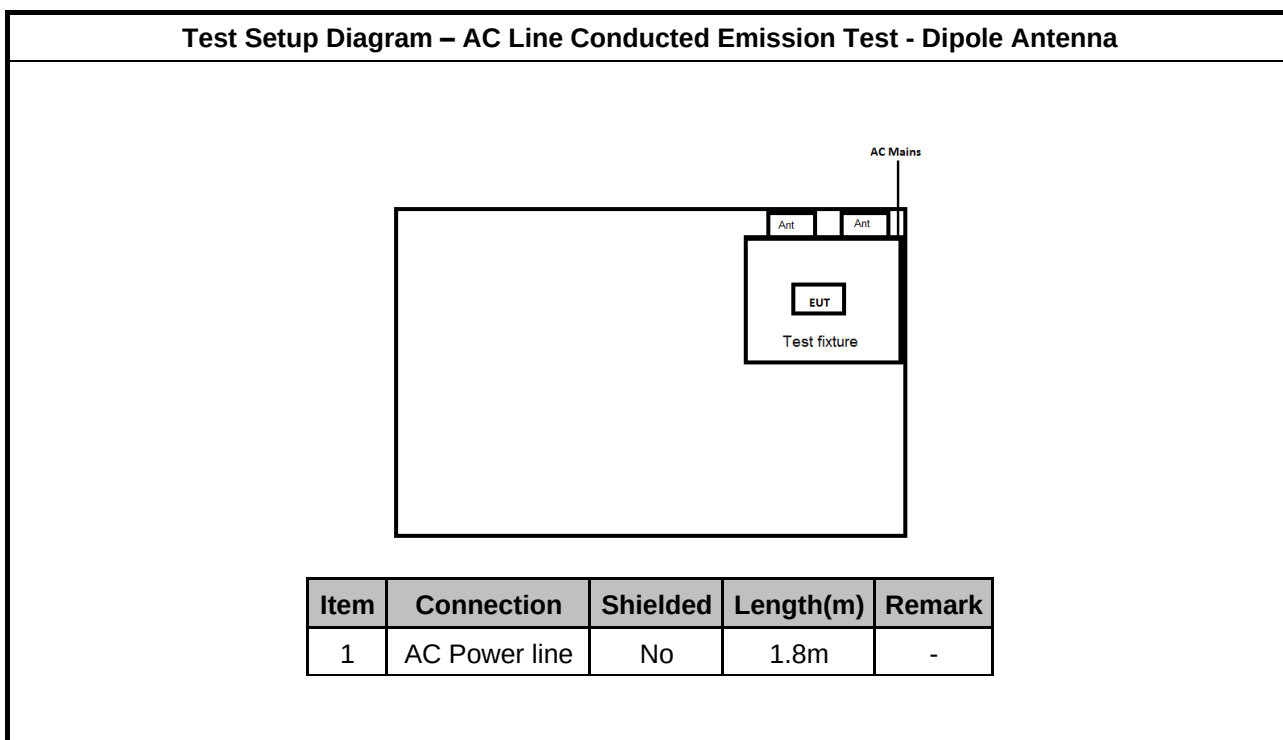
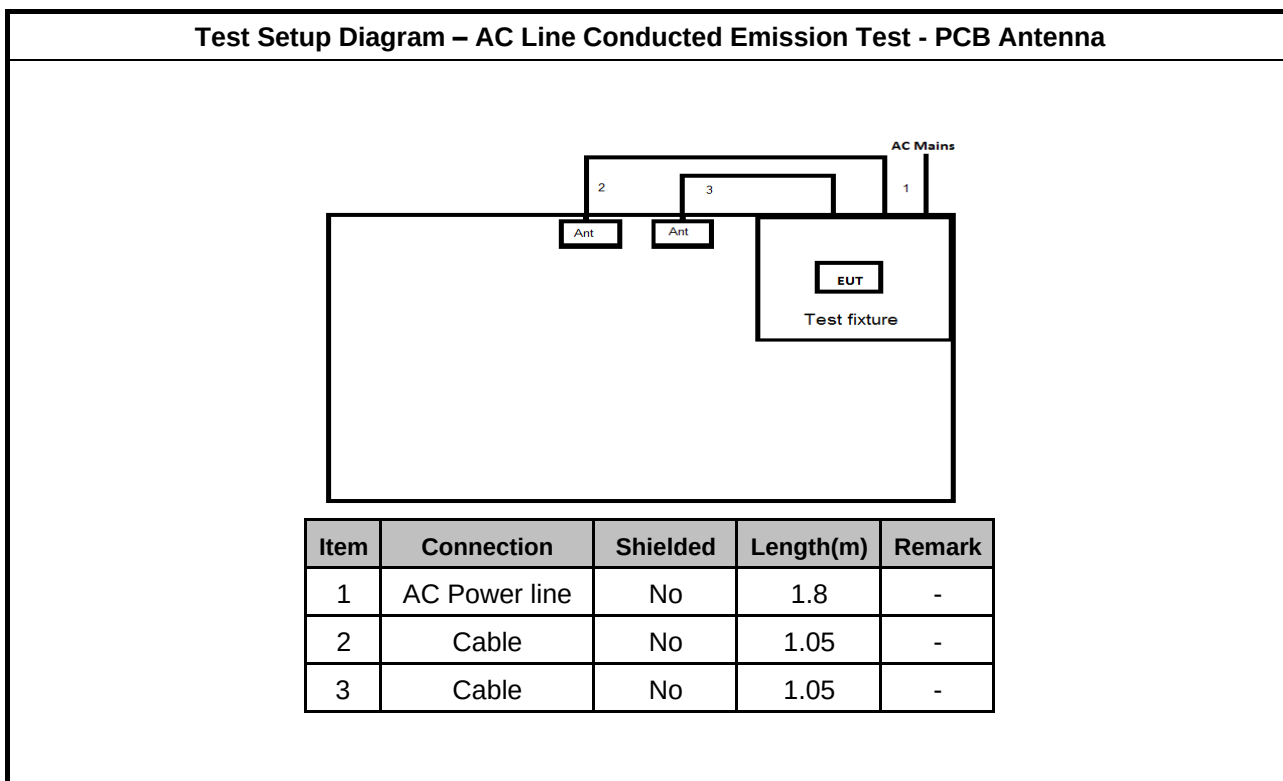
Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Fixture	-	-	-

Note: Support equipment No.1 was provided by customer.

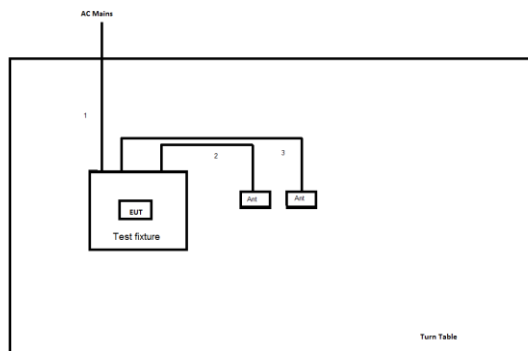
Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Fixture	-	-	-

Note: Support equipment No.1 was provided by customer.

2.5 Test Setup Diagram

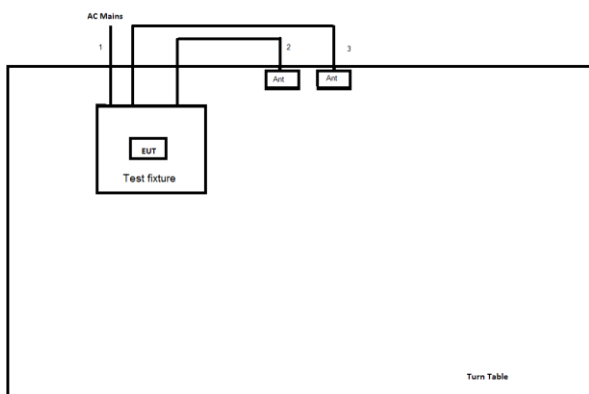


Test Setup Diagram - Radiated Test TX - PCB Antenna

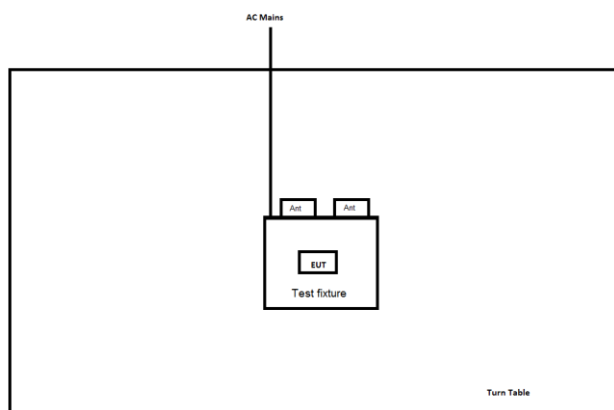


Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.8	-
2	Antenna Cable	No	1.05	-
3	Antenna Cable	No	1.05	-

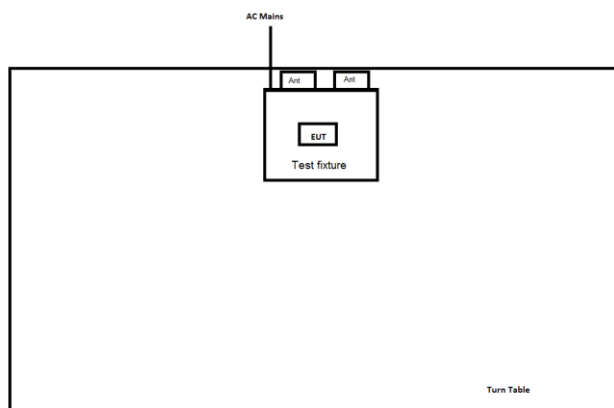
Test Setup Diagram - Radiated Test RX - PCB Antenna



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.8	-
2	Antenna Cable	No	1.05	-
3	Antenna Cable	No	1.05	-

Test Setup Diagram - Radiated Test TX - Dipole Antenna


Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.8	-

Test Setup Diagram - Radiated Test RX - Dipole Antenna


Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.8	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

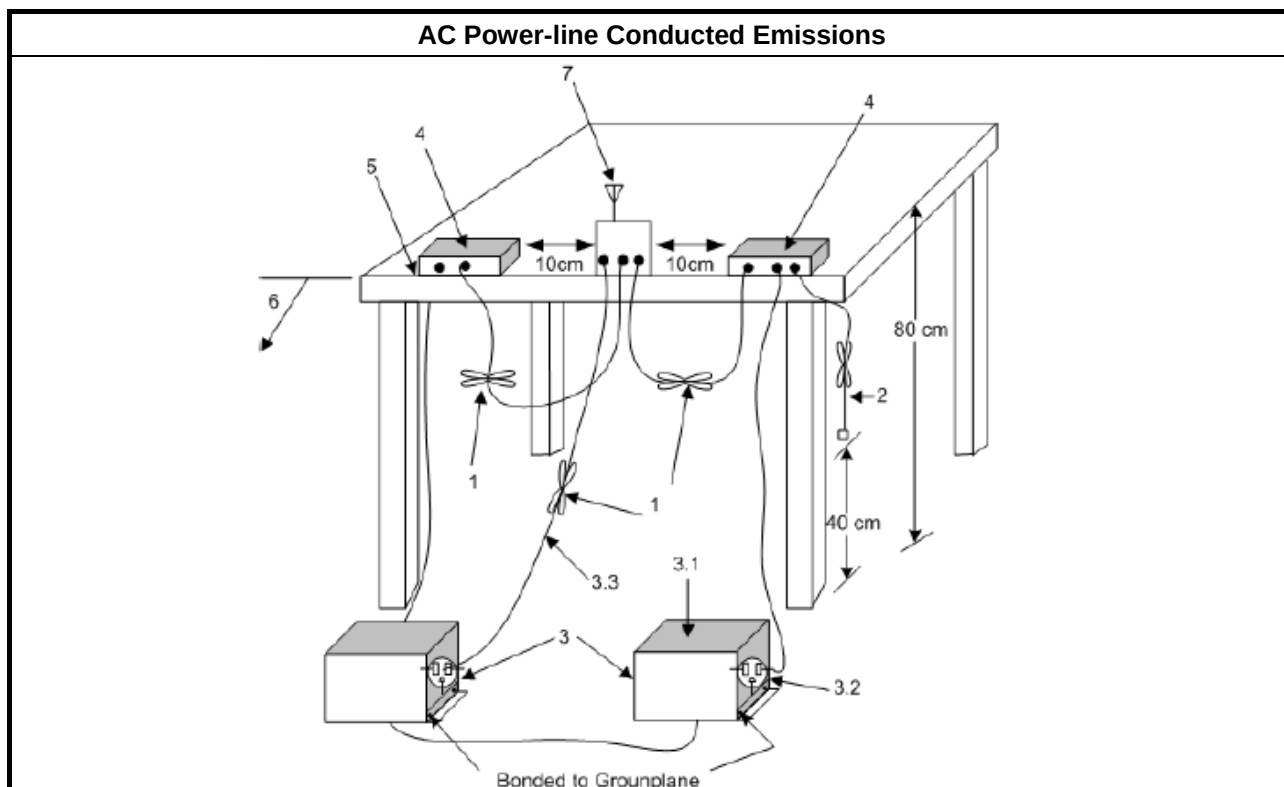
3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method	
☒	Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup





3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

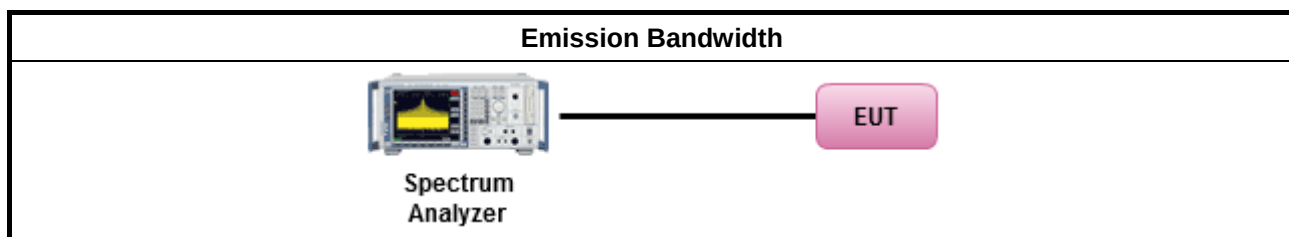
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 6.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$
	Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$.
	Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$.
	Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

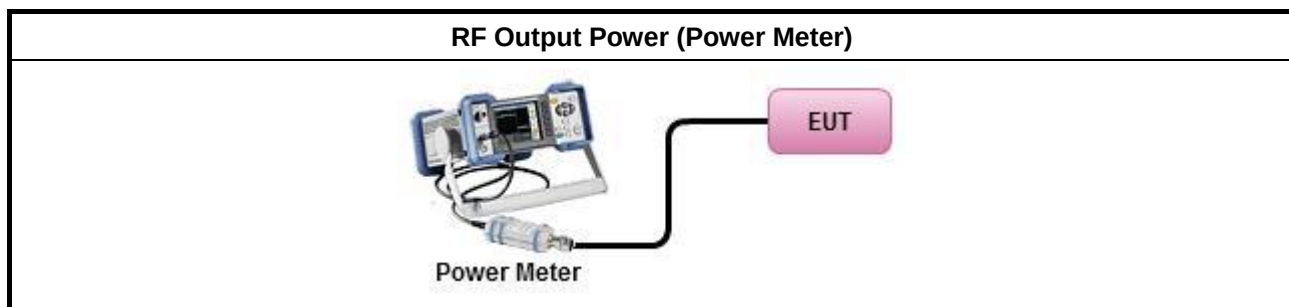
3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
For conducted measurement.	
	If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$.
	Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
	Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that the same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

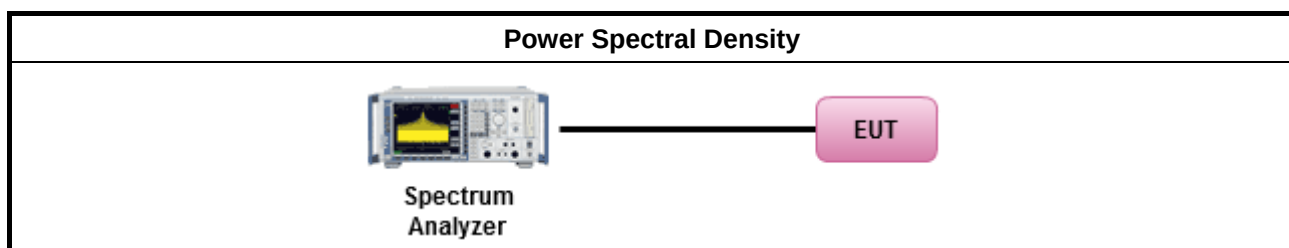
3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐ Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
Duty cycle ≥ 98%	
☐ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
Duty cycle < 98%	
☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☐ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.	
☐ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	

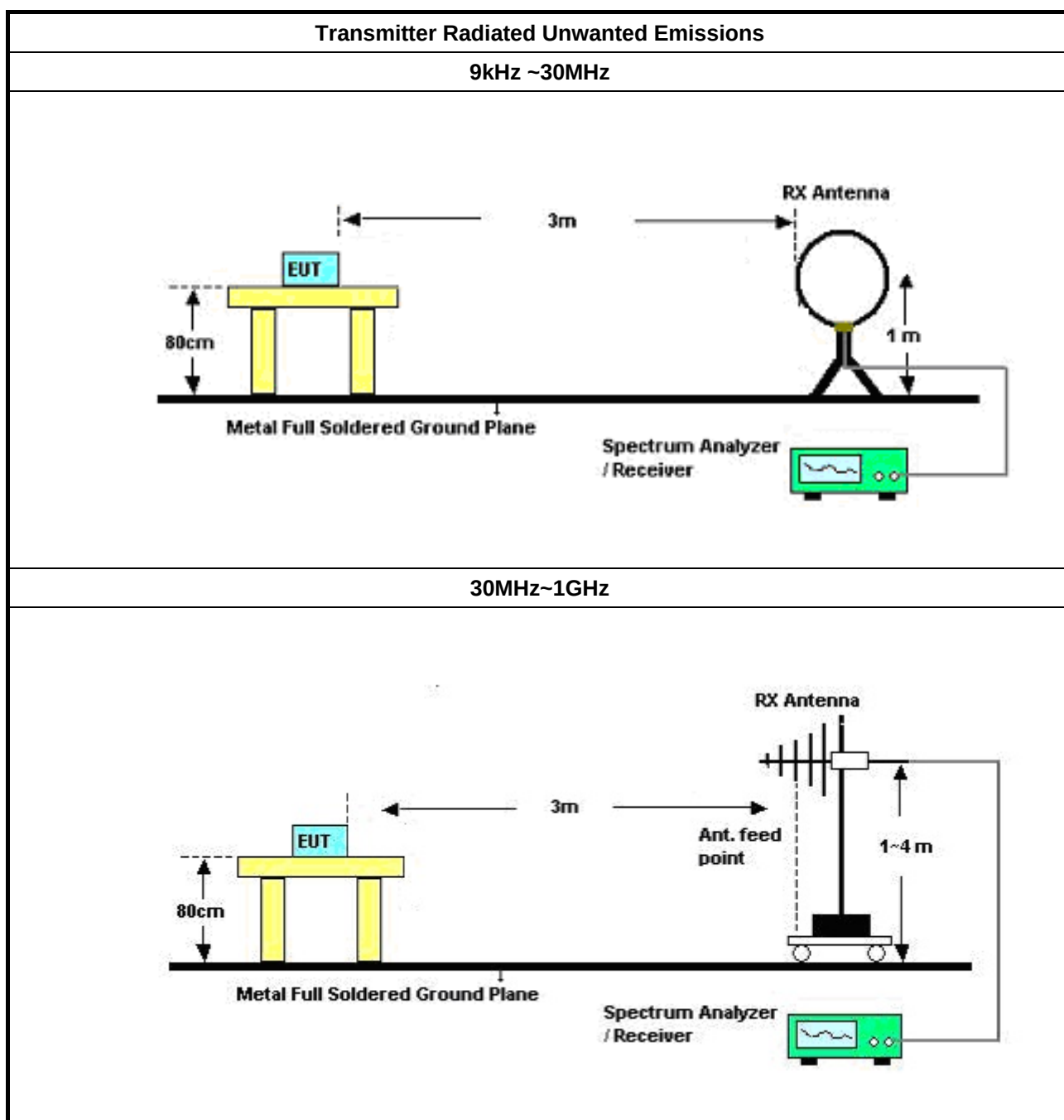
3.5.2 Measuring Instruments

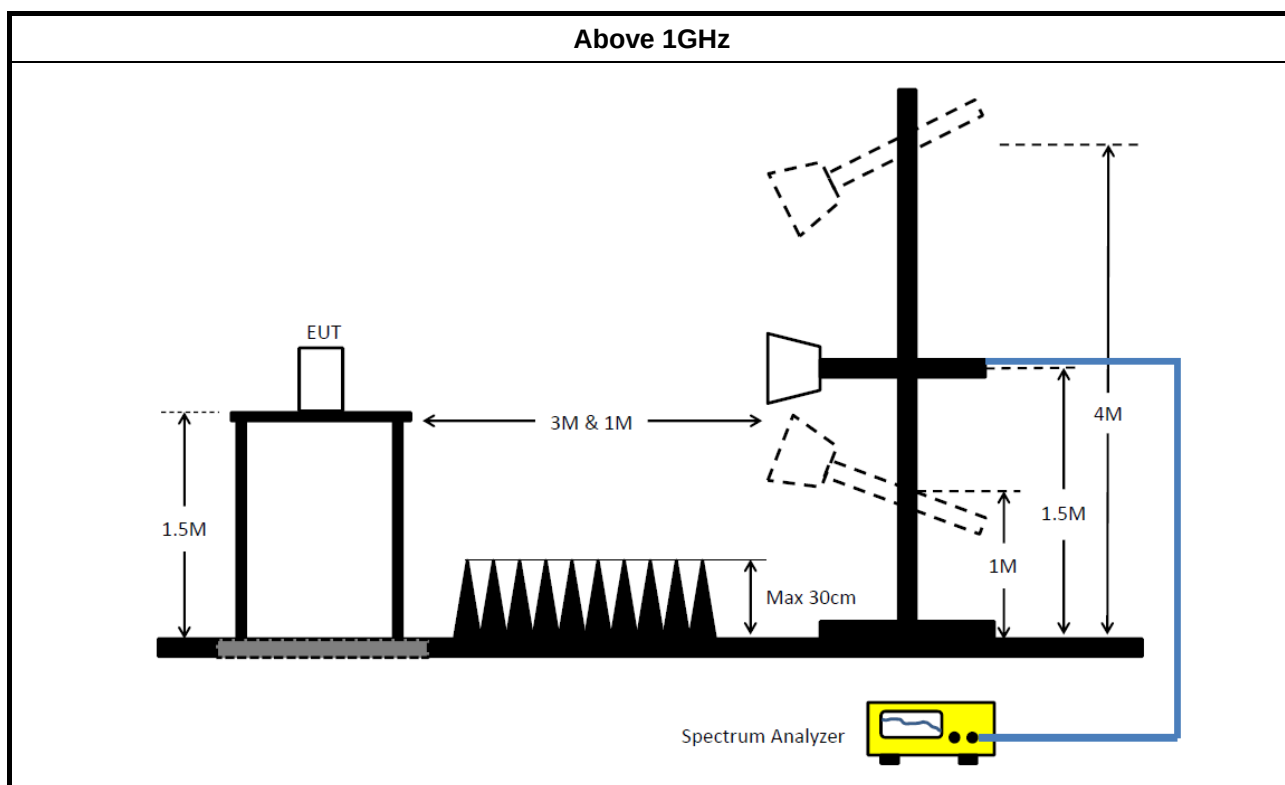
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☒ Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
	☒ Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup





3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Receiver Radiated Unwanted Emissions

3.6.1 Receiver Radiated Unwanted Emissions Limit

Restricted Spurious Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

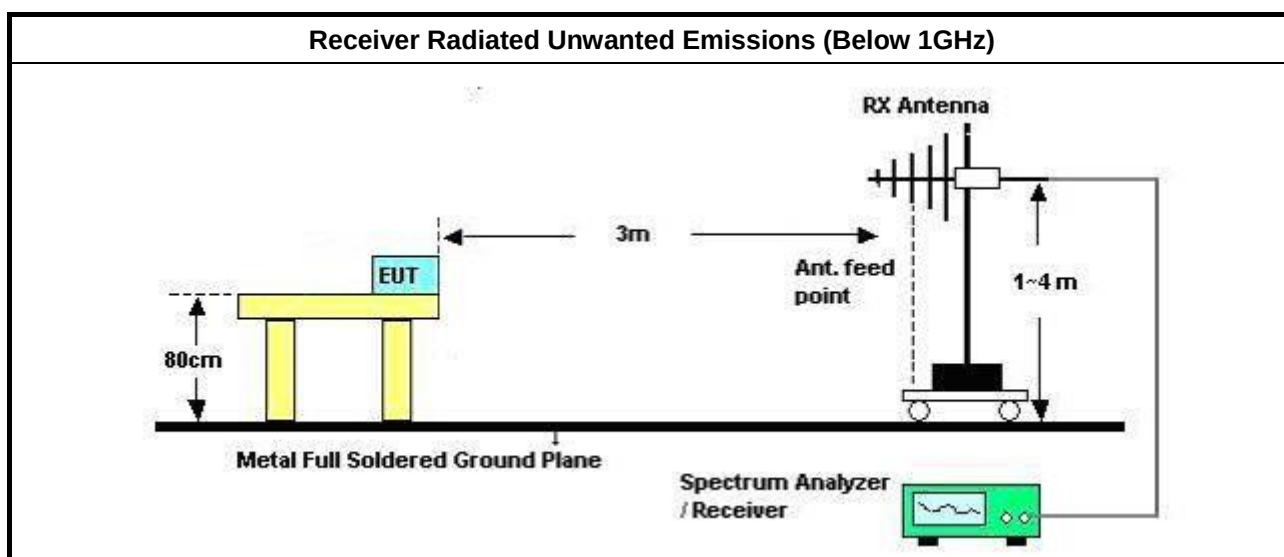
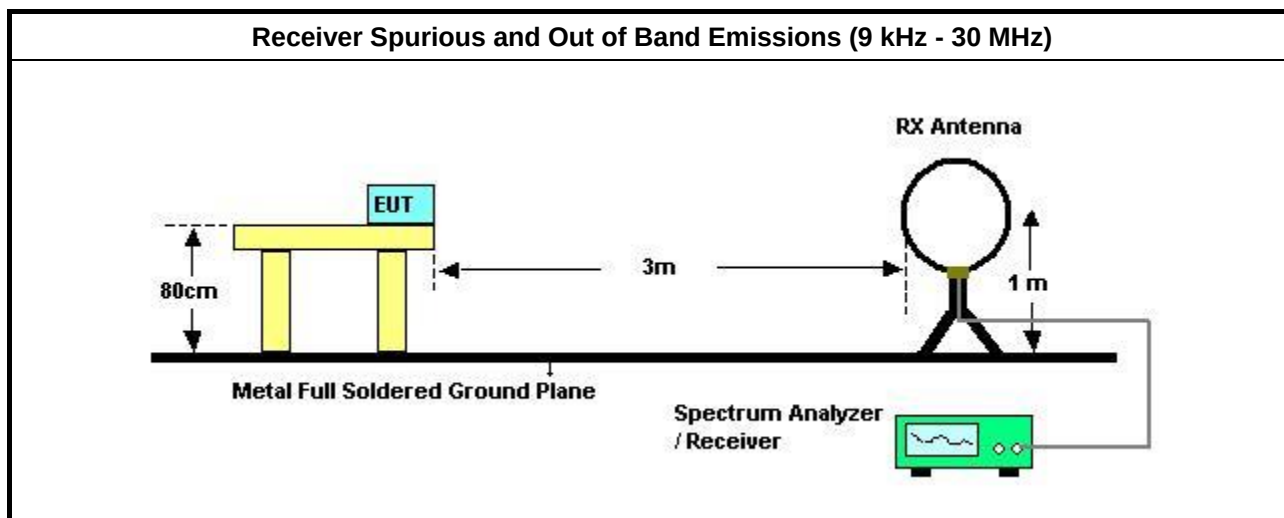
3.6.2 Measuring Instruments

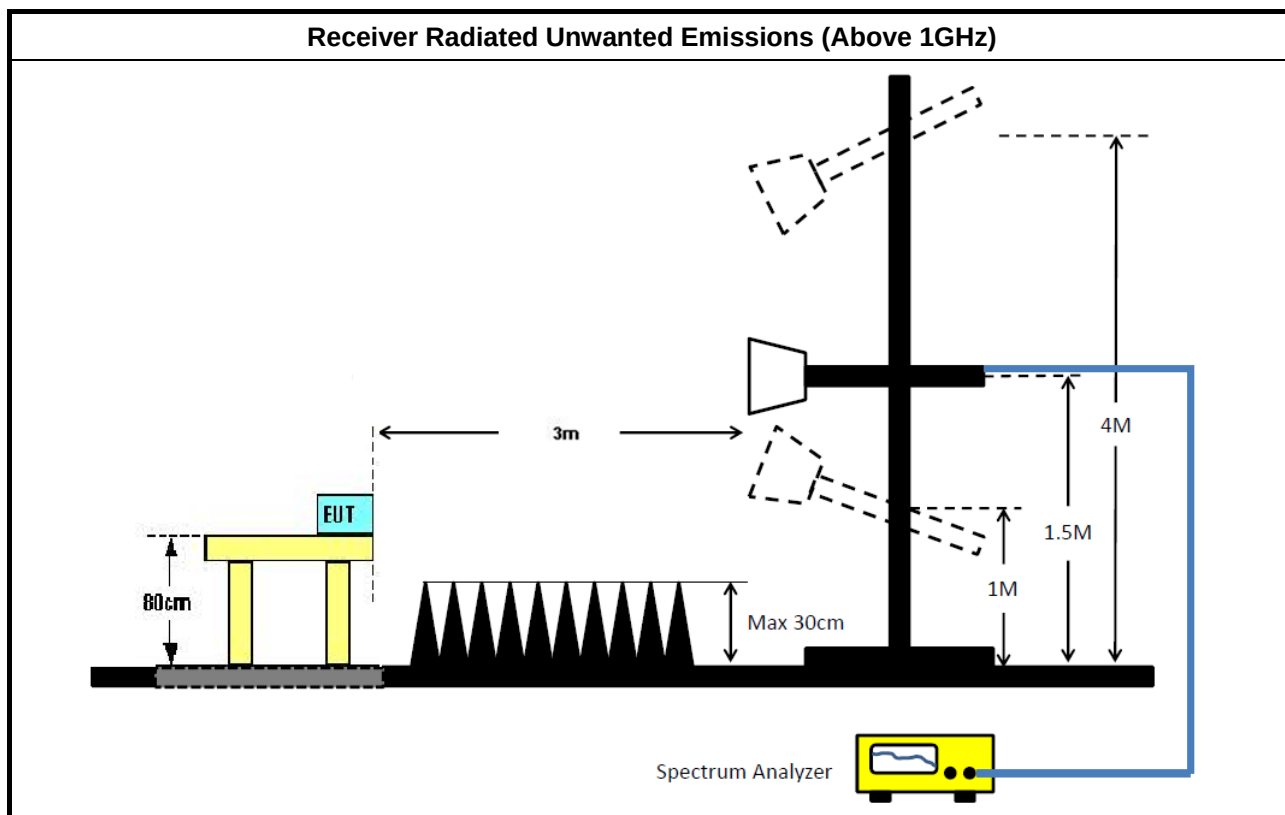
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
☒	The search for spurious emissions shall be from the lowest frequency internally generated or used in the receiver (e.g. local oscillator, intermediate or carrier frequency), or 30 MHz, whichever is higher, to at least 3 times the highest tuneable or local oscillator frequency, whichever is higher, without exceeding 40 GHz.
☒	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).
☒	For radiated measurement, refer as KDB 789033, clause G)2).
☒	Refer as ANSI C63.4, clause 8.3.1.1 and 8.3.2.1 for radiated emissions from below 30 MHz.
☒	Refer as ANSI C63.4, clause 8.3.1.1 and 8.3.2.1 for radiated emissions from 30 MHz-1 GHz. For the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the QP-Limit so that the QP level does not need to be reported in addition.
☒	Refer as ANSI C63.4, clause 8.3.1.2 and 8.3.2.2 for radiated emissions from above 1 GHz. For the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
☒	All amplitude of spurious emissions that are attenuated by more than 30 dB below the permissible value has no need to be reported.

3.6.4 Test Setup





3.6.5 Receiver Radiated Unwanted Emissions (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.6.6 Test Result of Receiver Radiated Unwanted Emissions

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR	102051	9KHz ~ 3.6GHz	03/May/2018	02/May/2019
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	17/Nov/2017	16/Nov/2018
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	06/Oct/2017	05/Oct/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Puls e Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018

NCR : Non-Calibration Require

Instrument for Radiated Test

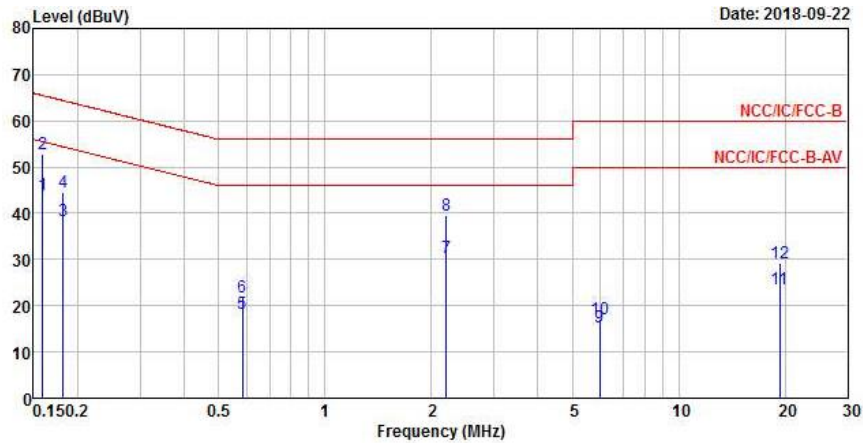
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	23/Apr/2018	22/Apr/2019
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	14/Jun/2018	13/Jun/2019
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	10/May/2018	09/May/2019
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	27/Apr/2018	26/Apr/2019
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	31/Jul/2018	30/Jul/2019
Bilog Antenna & 6dB Attenuator	SCHAFFNER/Yi Chang	CBL6111C / MTJ61202	2724 / MTJ61202-06	30MHz~1GHz	07/Jul/2018	06/Jul/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	30/Apr/2018	29/Apr/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170614	18GHz~40GHz	09/Feb/2018	08/Feb/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	29/Mar/2018	28/Mar/2019
RF Cable-R03m	Jye Bao	RG142	CB031	9kHz ~ 1GHz	1/Feb/2018	31/Jan/2019
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	14/Mar/2018	13/Mar/2019
EMI Test Receiver	Rohde & Schwarz	ESCS 30	100354	9kHz ~ 2.75GHz	08/Dec/2017	07/Dec/2018

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	05/Feb/2018	04/Feb/2019
Signal Generator	R&S	SMB100A	175727	100kHz~40GHz	26/Oct/2017	25/Oct/2018
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	1G~18G	11/Jan/2018	10/Jan/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz~1G	11/Jan/2018	10/Jan/2019
Cable 0.5m	HUBER	MY10714/4	RF Cable – 05	1G~18G	11/Jan/2018	10/Jan/2019

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Switching Power Supply ; PCB Antenna - TX		

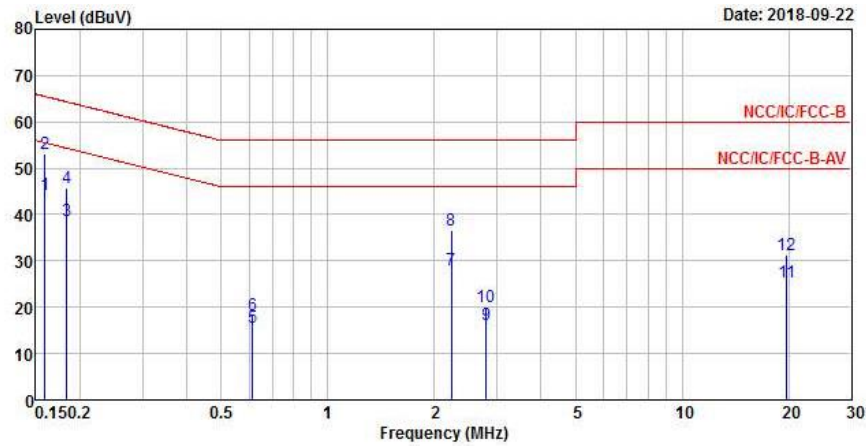


	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 MAX	0.16	43.88	-11.64	55.52	34.22	9.63	0.03	Average
2	0.16	52.70	-12.82	65.52	43.04	9.63	0.03	QP
3	0.18	38.42	-16.00	54.42	28.79	9.62	0.01	Average
4	0.18	44.72	-19.70	64.42	35.09	9.62	0.01	QP
5	0.59	18.41	-27.59	46.00	8.74	9.61	0.06	Average
6	0.59	21.80	-34.20	56.00	12.13	9.61	0.06	QP
7	2.20	30.46	-15.54	46.00	20.82	9.63	0.01	Average
8	2.20	39.47	-16.53	56.00	29.83	9.63	0.01	QP
9	5.99	15.40	-34.60	50.00	5.60	9.66	0.14	Average
10	5.99	17.01	-42.99	60.00	7.21	9.66	0.14	QP
11	19.33	23.67	-26.33	50.00	13.78	9.71	0.18	Average
12	19.33	29.35	-30.65	60.00	19.46	9.71	0.18	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Switching Power Supply ; PCB Antenna - TX		

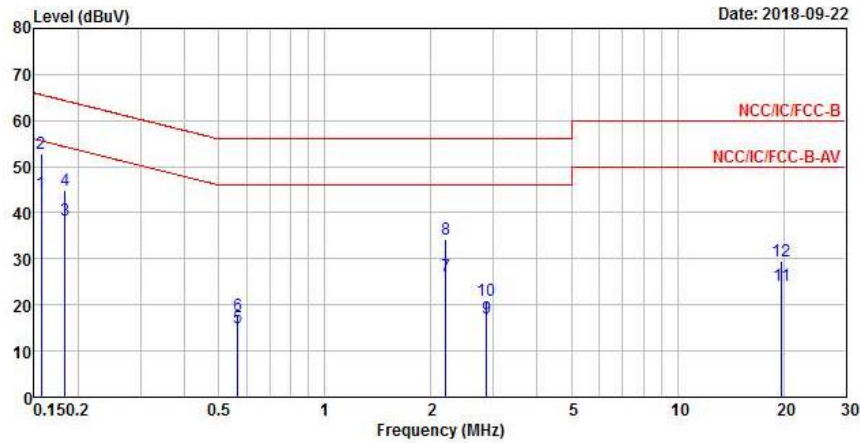


	Freq	Level	Over	Limit	Read	LISM	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1 MAX	0.16	44.17	-11.35	55.52	34.52	9.62	0.03	Average
2	0.16	53.21	-12.31	65.52	43.56	9.62	0.03	QP
3	0.18	38.72	-15.61	54.33	29.09	9.62	0.01	Average
4	0.18	45.84	-18.49	64.33	36.21	9.62	0.01	QP
5	0.61	15.51	-30.49	46.00	5.85	9.61	0.05	Average
6	0.61	18.37	-37.63	56.00	8.71	9.61	0.05	QP
7	2.24	27.95	-18.05	46.00	18.32	9.62	0.01	Average
8	2.24	36.55	-19.45	56.00	26.92	9.62	0.01	QP
9	2.79	16.29	-29.71	46.00	6.63	9.62	0.04	Average
10	2.79	20.21	-35.79	56.00	10.55	9.62	0.04	QP
11	19.74	25.30	-24.70	50.00	15.49	9.62	0.19	Average
12	19.74	31.15	-28.85	60.00	21.34	9.62	0.19	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Switching Power Supply ; PCB Antenna - RX		

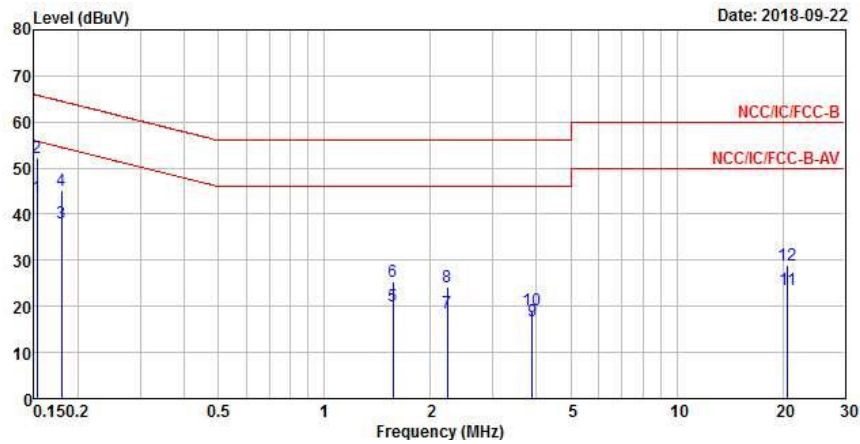


	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 MAX	0.16	44.16	-11.44	55.60	34.49	9.63	0.04	Average
2	0.16	52.93	-12.67	65.60	43.26	9.63	0.04	QP
3	0.18	38.26	-16.07	54.33	28.63	9.62	0.01	Average
4	0.18	44.87	-19.46	64.33	35.24	9.62	0.01	QP
5	0.57	15.10	-30.90	46.00	5.43	9.61	0.06	Average
6	0.57	17.69	-38.31	56.00	8.02	9.61	0.06	QP
7	2.20	26.20	-19.80	46.00	16.56	9.63	0.01	Average
8	2.20	34.31	-21.69	56.00	24.67	9.63	0.01	QP
9	2.87	17.15	-28.85	46.00	7.47	9.64	0.04	Average
10	2.87	20.86	-35.14	56.00	11.18	9.64	0.04	QP
11	19.74	24.08	-25.92	50.00	14.18	9.71	0.19	Average
12	19.74	29.55	-30.45	60.00	19.65	9.71	0.19	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Switching Power Supply ; PCB Antenna - RX		

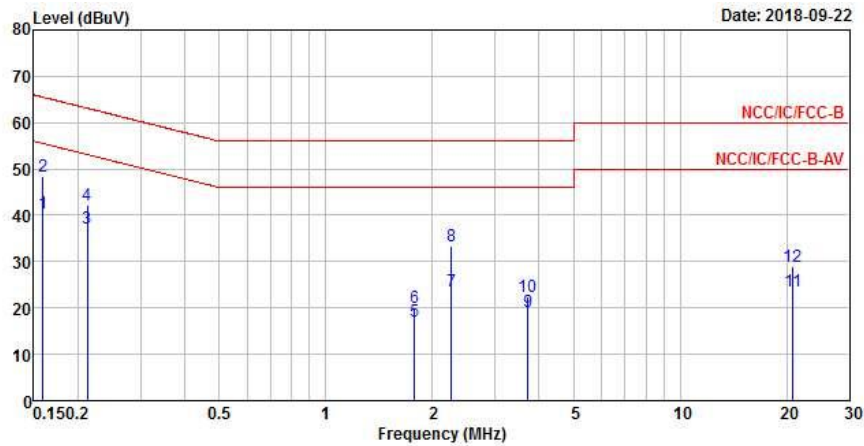


	Freq	Level	Over Limit	Limit Line	Read Level	LISM Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 MAX	0.15	43.58	-12.24	55.82	33.92	9.62	0.04	Average
2	0.15	52.39	-13.43	65.82	42.73	9.62	0.04	QP
3	0.18	38.22	-16.28	54.50	28.58	9.62	0.02	Average
4	0.18	45.26	-19.24	64.50	35.62	9.62	0.02	QP
5	1.57	20.05	-25.95	46.00	10.43	9.62	0.00	Average
6	1.57	25.49	-30.51	56.00	15.87	9.62	0.00	QP
7	2.24	18.62	-27.38	46.00	8.99	9.62	0.01	Average
8	2.24	24.14	-31.86	56.00	14.51	9.62	0.01	QP
9	3.88	16.96	-29.04	46.00	7.25	9.63	0.08	Average
10	3.88	19.14	-36.86	56.00	9.43	9.63	0.08	QP
11	20.59	23.47	-26.53	50.00	13.69	9.61	0.17	Average
12	20.59	28.83	-31.17	60.00	19.05	9.61	0.17	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	2	Power Phase	Neutral
Operating Function	Switching Power Supply ; Dipole Antenna - TX		

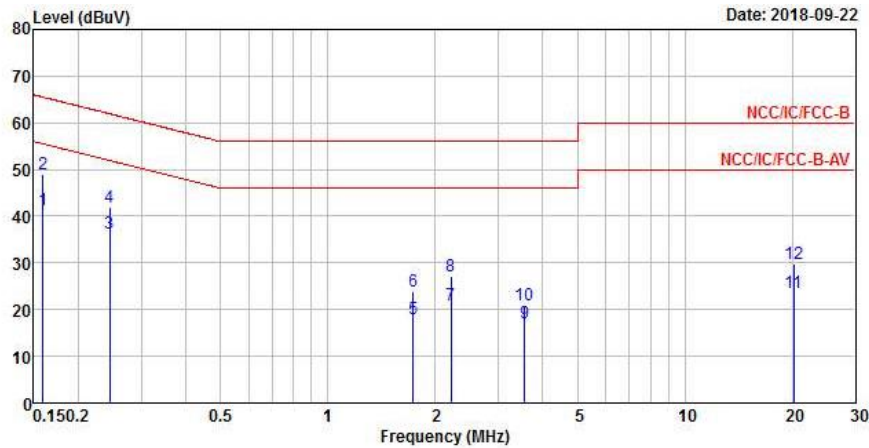


	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 MAX	0.16	40.49	-15.03	55.52	30.83	9.63	0.03	Average
2	0.16	48.55	-16.97	65.52	38.89	9.63	0.03	QP
3	0.21	37.14	-15.96	53.10	27.51	9.62	0.01	Average
4	0.21	42.15	-20.95	63.10	32.52	9.62	0.01	QP
5	1.78	17.06	-28.94	46.00	7.43	9.63	0.00	Average
6	1.78	20.14	-35.86	56.00	10.51	9.63	0.00	QP
7	2.26	23.75	-22.25	46.00	14.10	9.63	0.02	Average
8	2.26	33.37	-22.63	56.00	23.72	9.63	0.02	QP
9	3.72	19.07	-26.93	46.00	9.35	9.64	0.08	Average
10	3.72	22.32	-33.68	56.00	12.60	9.64	0.08	QP
11	20.81	23.62	-26.38	50.00	13.75	9.71	0.16	Average
12	20.81	28.86	-31.14	60.00	18.99	9.71	0.16	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	2	Power Phase	Line
Operating Function	Switching Power Supply ; Dipole Antenna - TX		

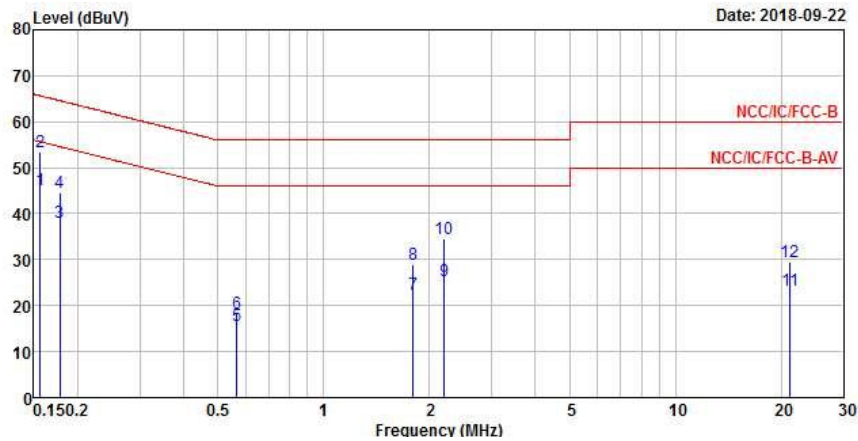


	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 MAX	0.16	41.21	-14.31	55.52	31.56	9.62	0.03	Average
2	0.16	48.98	-16.54	65.52	39.33	9.62	0.03	QP
3	0.24	36.34	-15.61	51.95	26.69	9.62	0.03	Average
4	0.24	41.89	-20.06	61.95	32.24	9.62	0.03	QP
5	1.73	18.01	-27.99	46.00	8.39	9.62	0.00	Average
6	1.73	24.03	-31.97	56.00	14.41	9.62	0.00	QP
7	2.21	20.83	-25.17	46.00	11.20	9.62	0.01	Average
8	2.21	27.17	-28.83	56.00	17.54	9.62	0.01	QP
9	3.57	17.24	-28.76	46.00	7.54	9.63	0.07	Average
10	3.57	20.87	-35.13	56.00	11.17	9.63	0.07	QP
11	20.16	23.54	-26.46	50.00	13.73	9.62	0.19	Average
12	20.16	29.70	-30.30	60.00	19.89	9.62	0.19	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	2	Power Phase	Neutral
Operating Function	Switching Power Supply ; Dipole Antenna - RX		

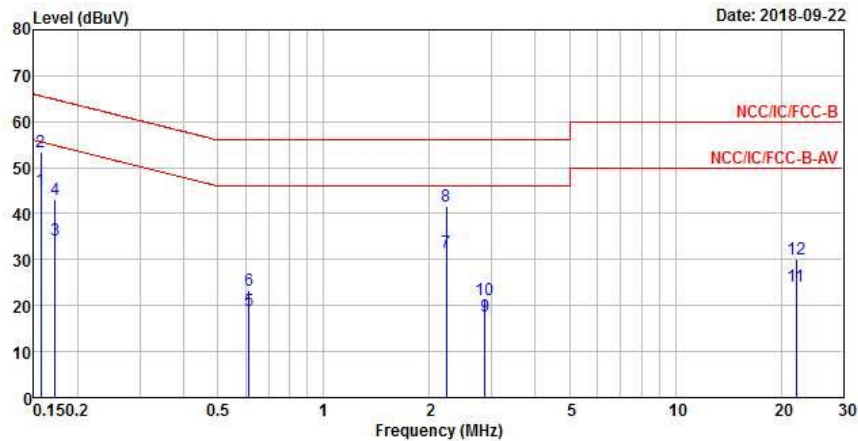


	Freq	Level	Over Limit	Limit Line	Read Level	LISM Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 MAX	0.16	45.04	-10.61	55.65	35.37	9.63	0.04	Average
2	0.16	53.38	-12.27	65.65	43.71	9.63	0.04	QP
3	0.18	38.01	-16.58	54.59	28.37	9.62	0.02	Average
4	0.18	44.58	-20.01	64.59	34.94	9.62	0.02	QP
5	0.57	15.58	-30.42	46.00	5.91	9.61	0.06	Average
6	0.57	18.40	-37.60	56.00	8.73	9.61	0.06	QP
7	1.80	22.45	-23.55	46.00	12.82	9.63	0.00	Average
8	1.80	28.99	-27.01	56.00	19.36	9.63	0.00	QP
9	2.20	25.26	-20.74	46.00	15.62	9.63	0.01	Average
10	2.20	34.46	-21.54	56.00	24.82	9.63	0.01	QP
11	21.15	23.32	-26.68	50.00	13.46	9.71	0.15	Average
12	21.15	29.60	-30.40	60.00	19.74	9.71	0.15	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	2	Power Phase	Line
Operating Function	Switching Power Supply ; Dipole Antenna - RX		



	Freq	Level	Over Limit	Limit Line	Read Level	LISM Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	45.21	-10.39	55.60	35.55	9.62	0.04	Average
2	0.16	53.54	-12.06	65.60	43.88	9.62	0.04	QP
3	0.17	34.27	-20.59	54.86	24.63	9.62	0.02	Average
4	0.17	43.00	-21.86	64.86	33.36	9.62	0.02	QP
5	0.61	18.92	-27.08	46.00	9.26	9.61	0.05	Average
6	0.61	23.22	-32.78	56.00	13.56	9.61	0.05	QP
7	2.24	31.52	-14.48	46.00	21.89	9.62	0.01	Average
8	2.24	41.48	-14.52	56.00	31.85	9.62	0.01	QP
9	2.87	17.77	-28.23	46.00	8.10	9.63	0.04	Average
10	2.87	21.28	-34.72	56.00	11.61	9.63	0.04	QP
11	22.06	24.07	-25.93	50.00	14.37	9.59	0.11	Average
12	22.06	30.22	-29.78	60.00	20.52	9.59	0.11	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	44.55M	23.888M	23M9D1D	31.35M	16.817M
802.11n HT20_Nss1,(MCS0)_2TX	44.15M	18.091M	18M1D1D	26.775M	17.766M
802.11n HT40_Nss1,(MCS0)_2TX	89.65M	36.482M	36M5D1D	39.9M	36.232M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.8M	75.962M	76M0D1D	81.5M	75.662M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	42.375M	19.165M	19M2D1D	37.925M	16.942M
802.11n HT20_Nss1,(MCS0)_2TX	40.625M	17.866M	17M9D1D	28.875M	17.791M
802.11n HT40_Nss1,(MCS0)_2TX	95.5M	36.982M	37M0D1D	39.8M	36.232M
802.11ac VHT80_Nss1,(MCS0)_2TX	82.7M	75.762M	75M8D1D	82.3M	75.662M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	39.875M	17.816M	17M8D1D	23.525M	16.667M
802.11n HT20_Nss1,(MCS0)_2TX	39.775M	17.866M	17M9D1D	21.75M	17.716M
802.11n HT40_Nss1,(MCS0)_2TX	97.05M	37.031M	37M0D1D	39.75M	36.182M
802.11ac VHT80_Nss1,(MCS0)_2TX	103.2M	75.762M	75M8D1D	81.9M	75.662M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	16.325M	32.984M	33M0D1D	16.3M	30.41M
802.11n HT20_Nss1,(MCS0)_2TX	17.6M	33.708M	33M7D1D	17.025M	32.184M
802.11n HT40_Nss1,(MCS0)_2TX	36.3M	62.469M	62M5D1D	35.8M	37.331M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.2M	80.56M	80M6D1D	75.1M	76.262M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth;

Result

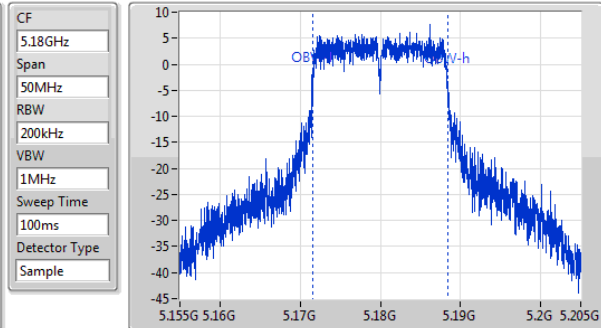
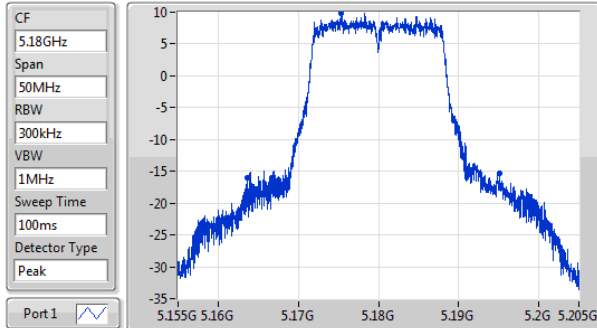
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-
5180MHz	Pass	Inf	31.35M	16.817M		
5200MHz	Pass	Inf	44.55M	23.888M		
5240MHz	Pass	Inf	41.675M	18.666M		
5260MHz	Pass	Inf	42.375M	19.09M		
5300MHz	Pass	Inf	41.675M	19.165M		
5320MHz	Pass	Inf	37.925M	16.942M		
5500MHz	Pass	Inf	36.25M	16.817M		
5580MHz	Pass	Inf	39.875M	17.816M		
5700MHz	Pass	Inf	23.525M	16.667M		
5745MHz	Pass	500k	16.3M	30.41M		
5785MHz	Pass	500k	16.325M	31.559M		
5825MHz	Pass	500k	16.325M	32.984M		
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	36.825M	17.866M	26.775M	17.766M
5200MHz	Pass	Inf	44.15M	17.991M	34.25M	17.816M
5240MHz	Pass	Inf	44.075M	18.091M	37.45M	17.841M
5260MHz	Pass	Inf	32.875M	17.841M	29.4M	17.791M
5300MHz	Pass	Inf	40.3M	17.841M	29.25M	17.791M
5320MHz	Pass	Inf	40.625M	17.866M	28.875M	17.791M
5500MHz	Pass	Inf	28.9M	17.791M	22.25M	17.741M
5580MHz	Pass	Inf	39.775M	17.866M	25.175M	17.791M
5700MHz	Pass	Inf	22M	17.766M	21.75M	17.716M
5745MHz	Pass	500k	17.525M	32.184M	17.575M	32.334M
5785MHz	Pass	500k	17.5M	33.008M	17.55M	32.909M
5825MHz	Pass	500k	17.025M	33.608M	17.6M	33.708M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.05M	36.232M	39.9M	36.282M
5230MHz	Pass	Inf	89.65M	36.482M	78.55M	36.382M
5270MHz	Pass	Inf	95.5M	36.982M	92.25M	36.482M
5310MHz	Pass	Inf	39.8M	36.232M	39.85M	36.282M
5510MHz	Pass	Inf	44.35M	36.182M	39.85M	36.332M
5550MHz	Pass	Inf	97.05M	37.031M	81.4M	36.332M
5670MHz	Pass	Inf	81.8M	36.282M	39.75M	36.332M
5755MHz	Pass	500k	35.8M	57.921M	36.3M	37.331M
5795MHz	Pass	500k	36.3M	62.469M	36.3M	41.029M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.8M	75.662M	81.5M	75.962M
5290MHz	Pass	Inf	82.3M	75.762M	82.7M	75.662M
5530MHz	Pass	Inf	103.2M	75.662M	81.9M	75.762M
5775MHz	Pass	500k	75.2M	80.56M	75.1M	76.262M

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5180MHz

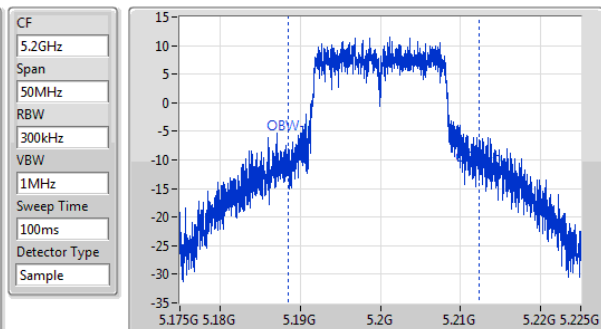
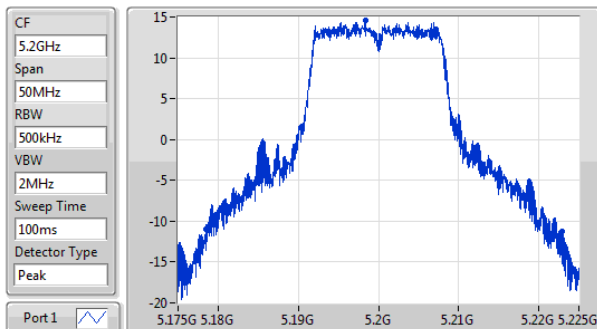
21/09/2018



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.35M	5.1637G	5.19505G	16.817M	5.171554G	5.188371G	Inf	1

802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5200MHz

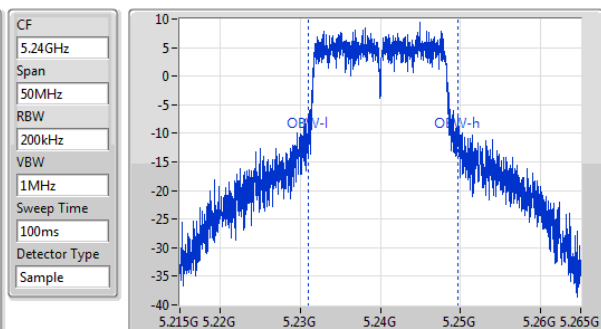
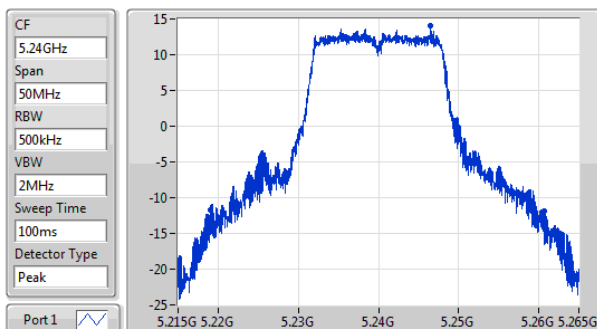
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26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.55M	5.178425G	5.222975G	23.888M	5.188481G	5.212369G	Inf	1

802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5240MHz

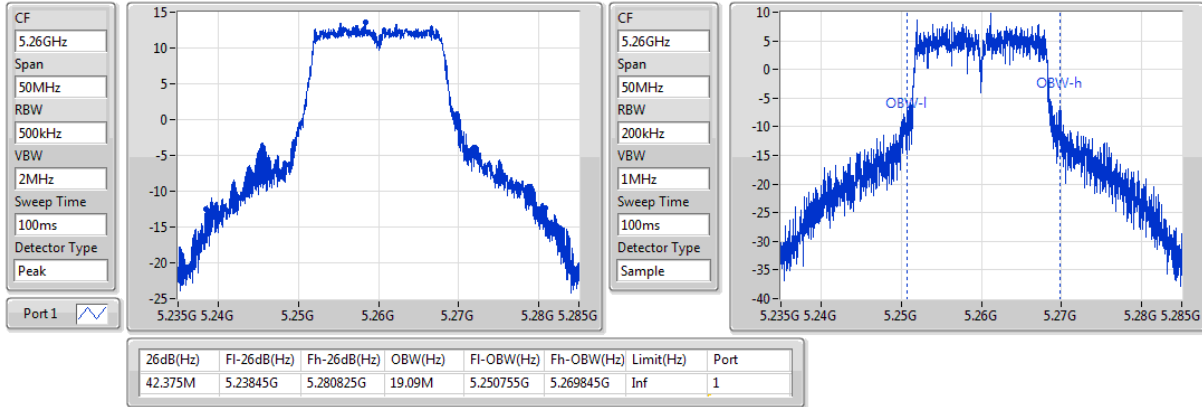
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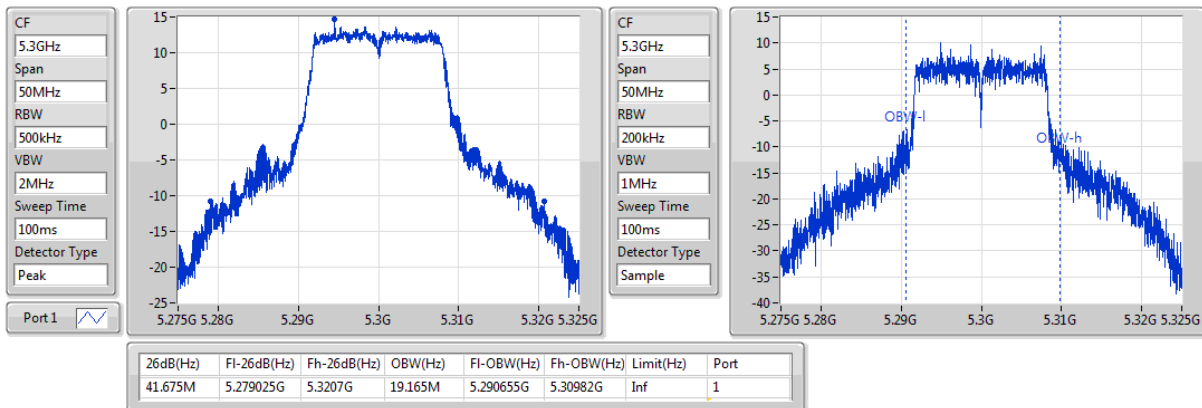
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.675M	5.219G	5.260675G	18.666M	5.231054G	5.24972G	Inf	1

802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5260MHz

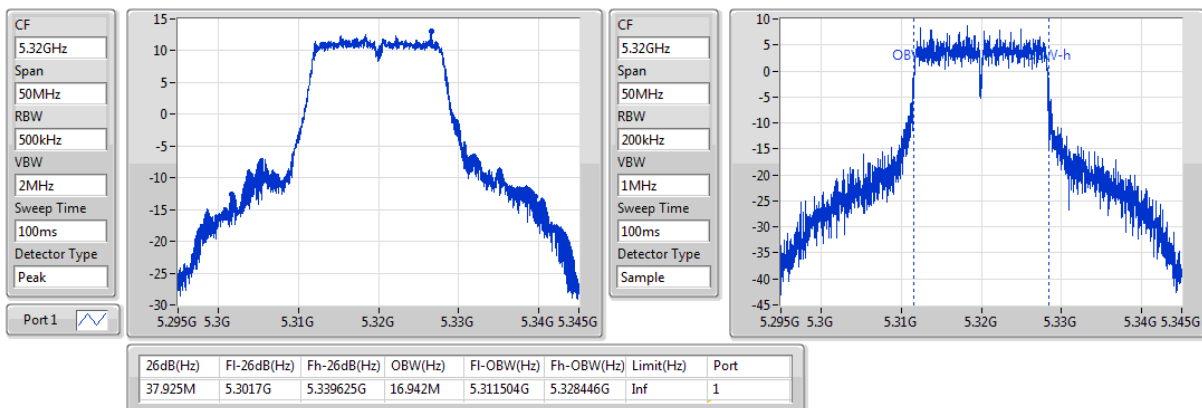
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802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5300MHz

21/09/2018

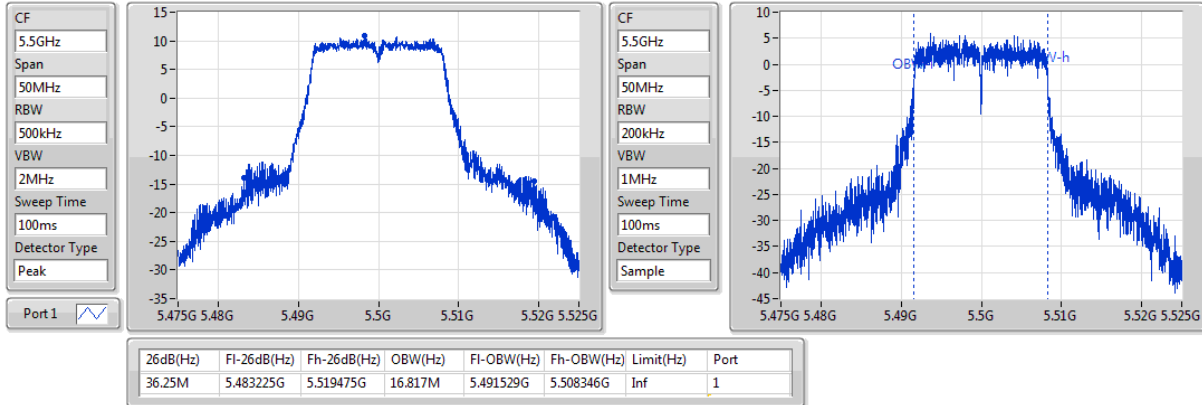

802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5320MHz

21/09/2018

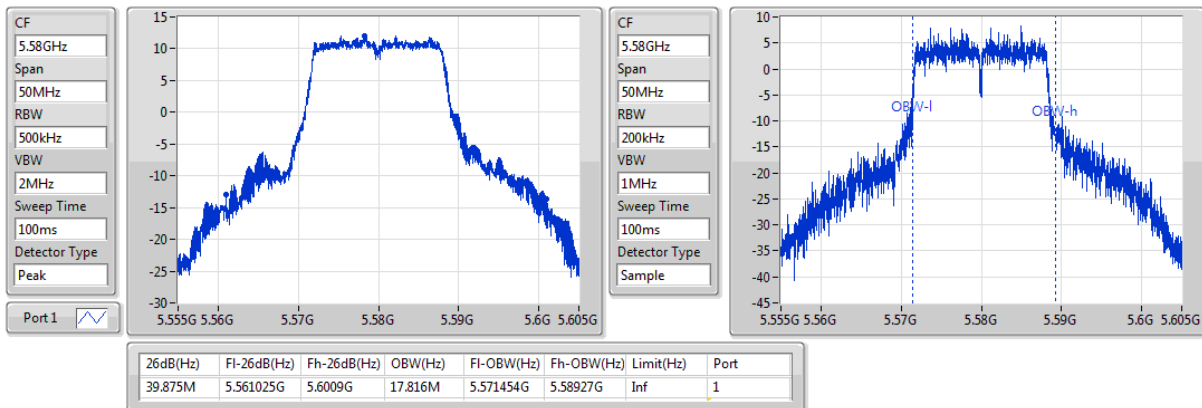


802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5500MHz

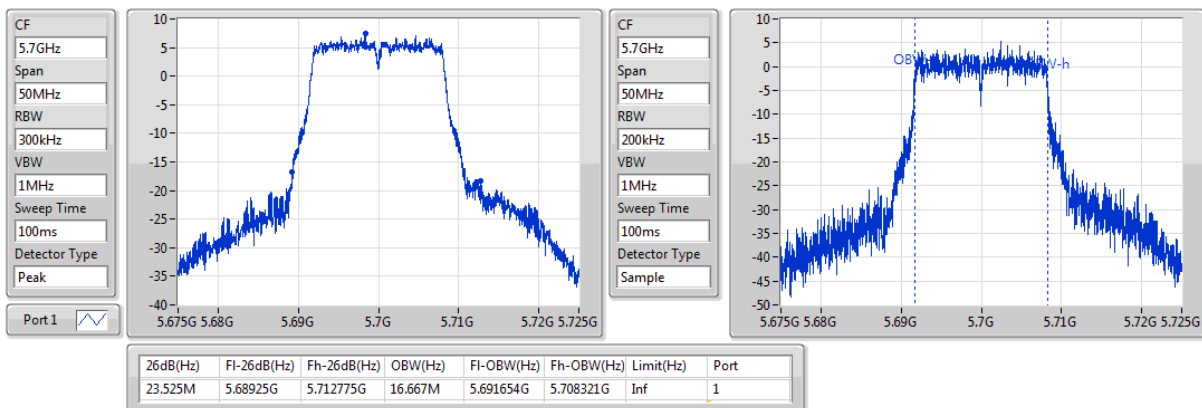
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802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5580MHz

21/09/2018

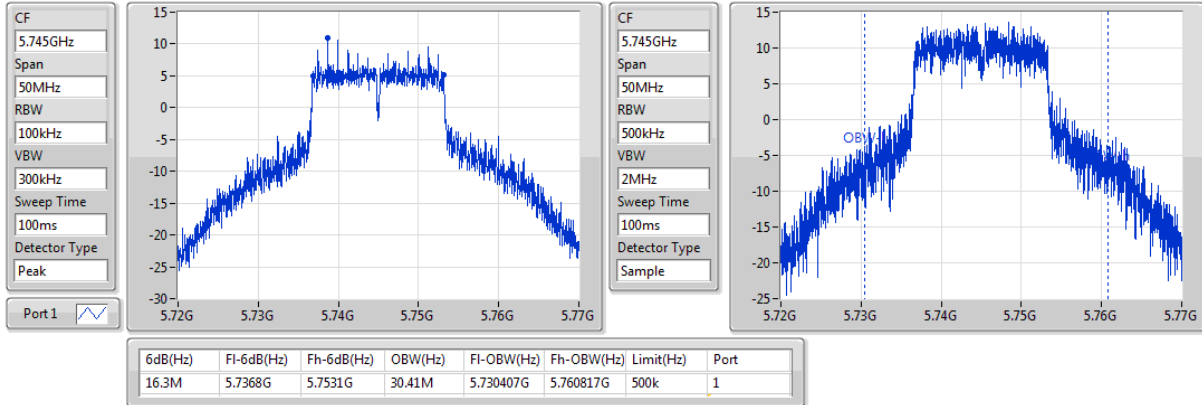

802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5700MHz

21/09/2018

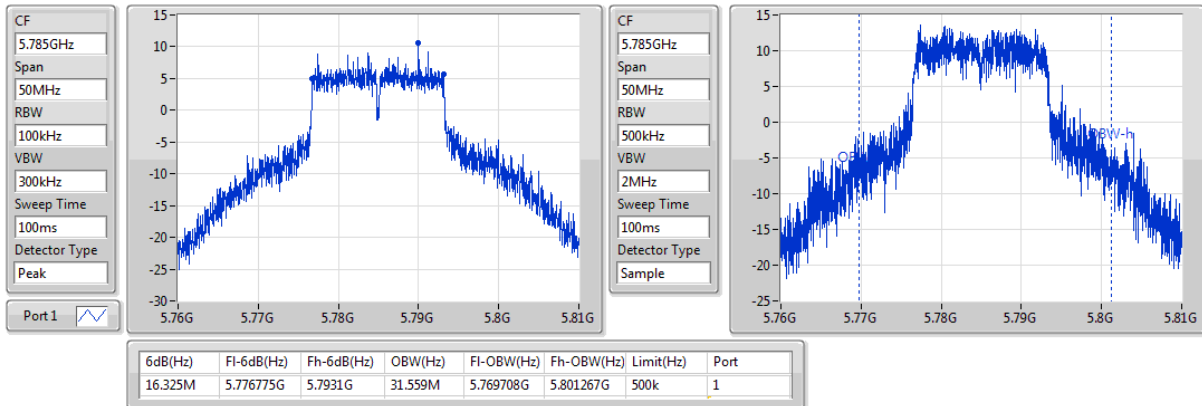


802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5745MHz

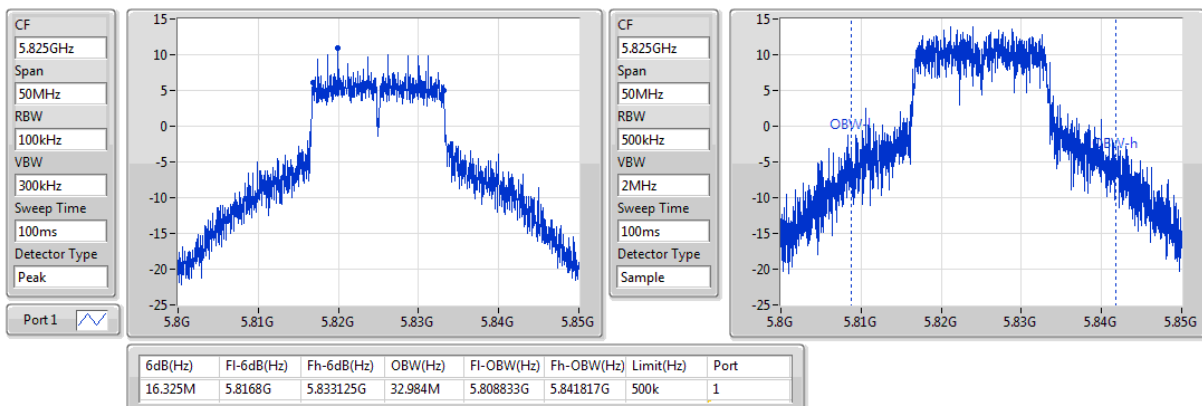
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802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5785MHz

21/09/2018


802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5825MHz

21/09/2018

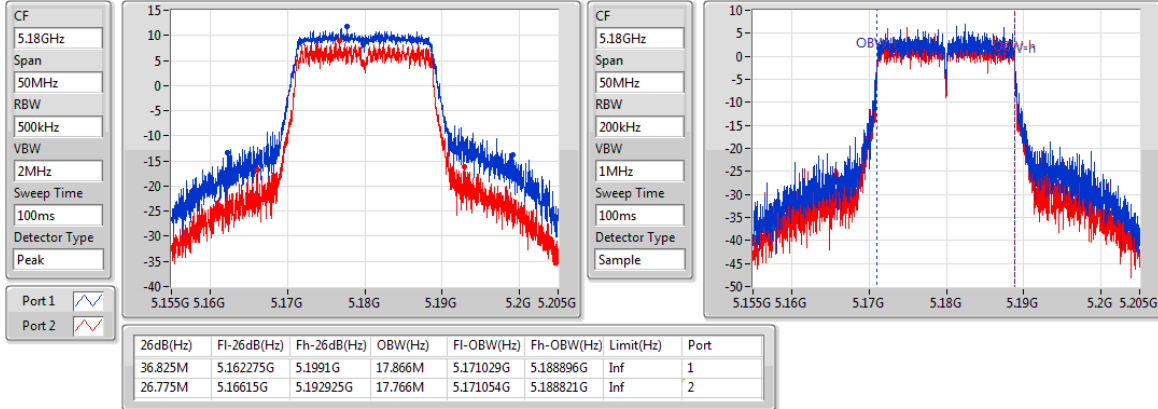


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5180MHz

21/09/2018

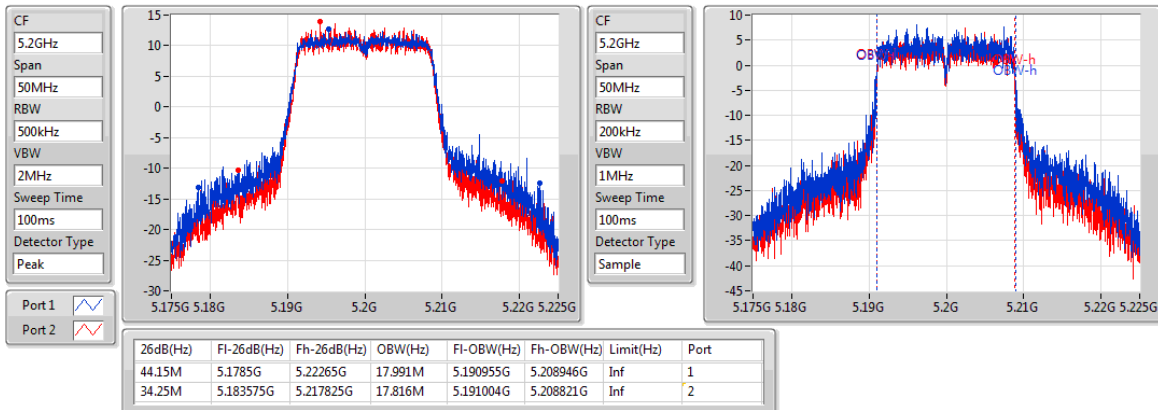


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5200MHz

21/09/2018

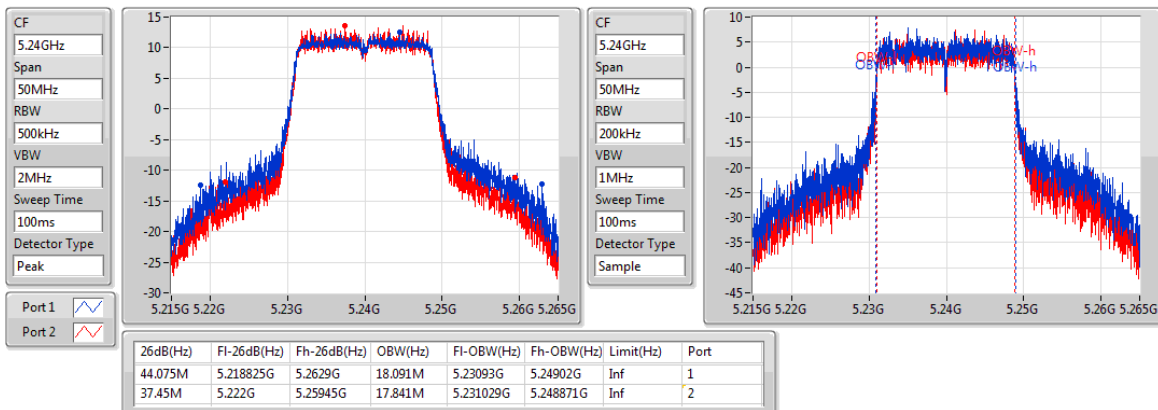


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5240MHz

21/09/2018

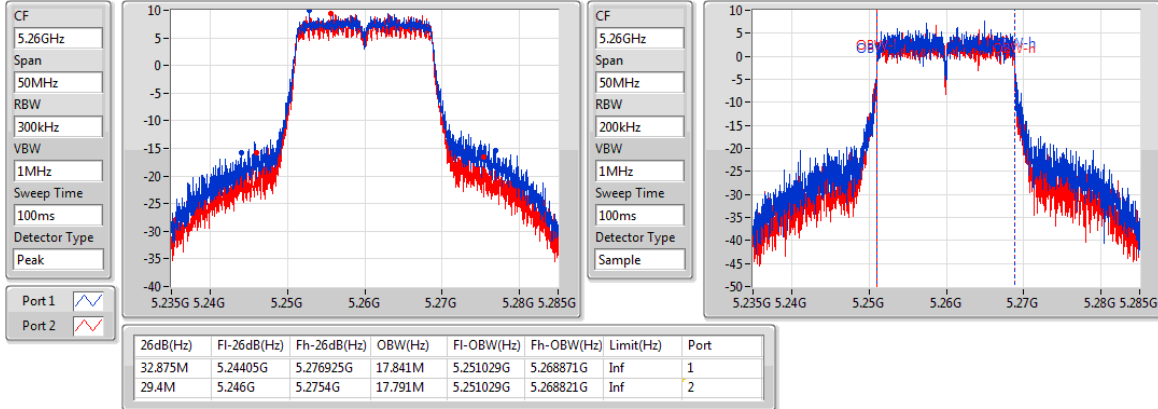


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5260MHz

21/09/2018

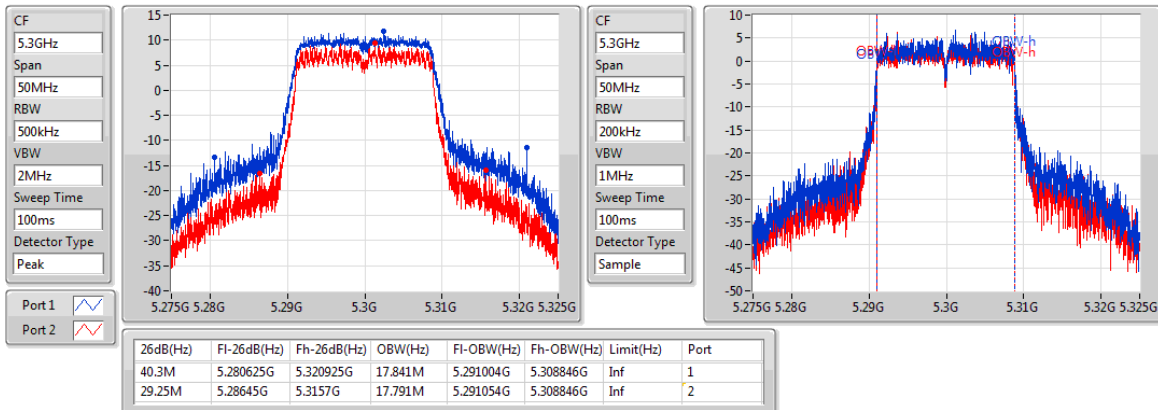


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5300MHz

21/09/2018

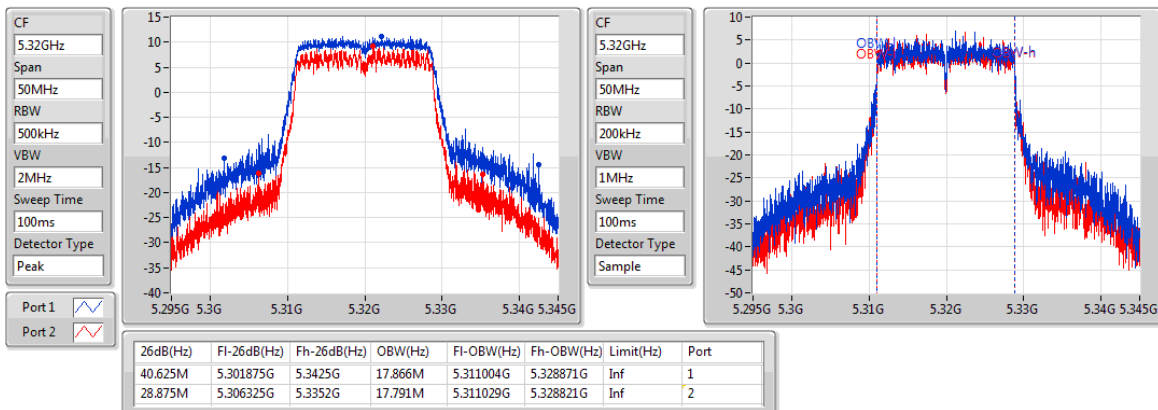


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5320MHz

21/09/2018

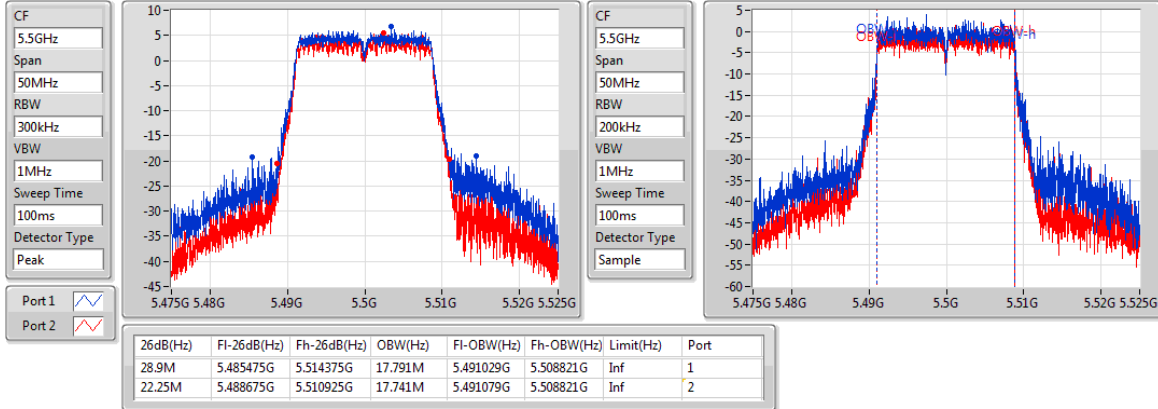


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5500MHz

21/09/2018

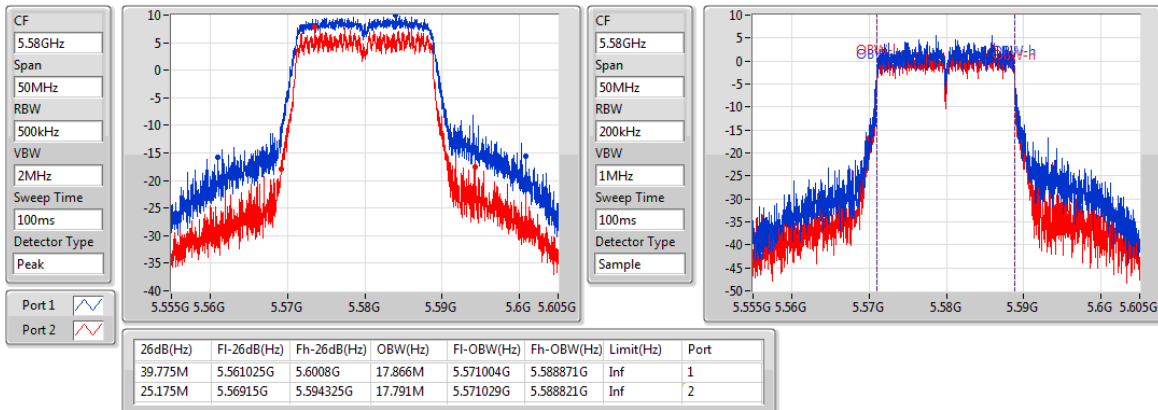


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5580MHz

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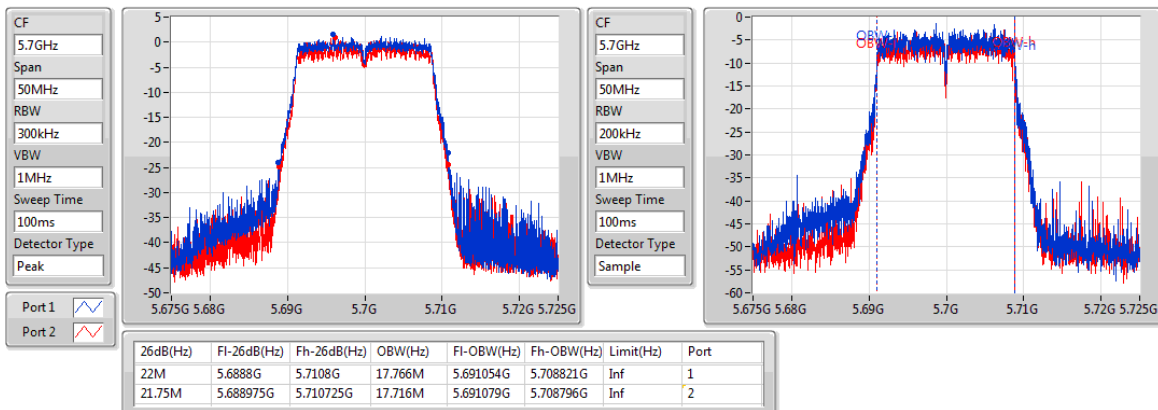


802.11n HT20_Nss1,(MCS0)_2TX

EBW

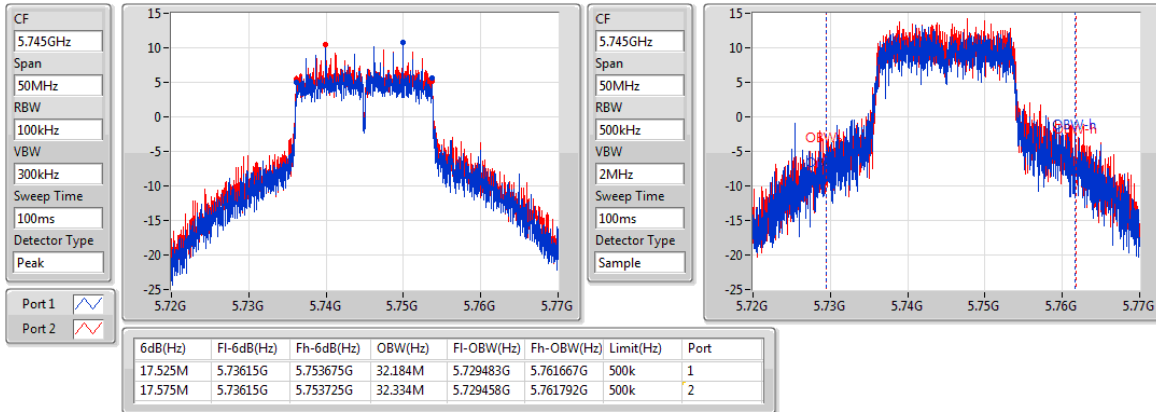
5700MHz

21/09/2018

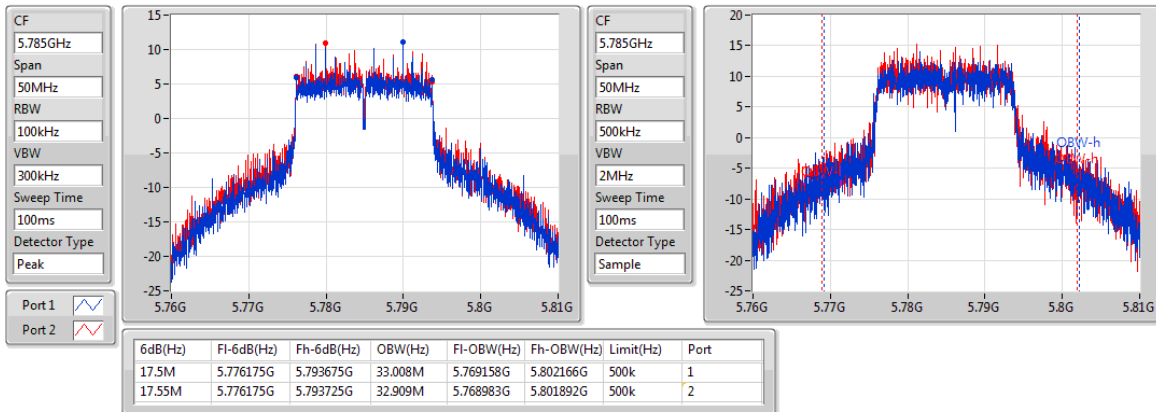


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5745MHz

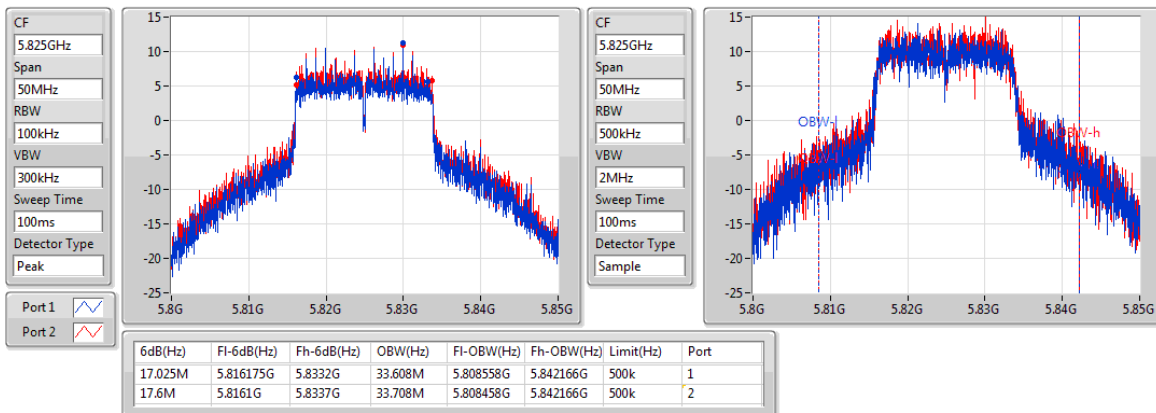
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802.11n HT20_Nss1,(MCS0)_2TX
EBW
5785MHz

21/09/2018


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5825MHz

21/09/2018

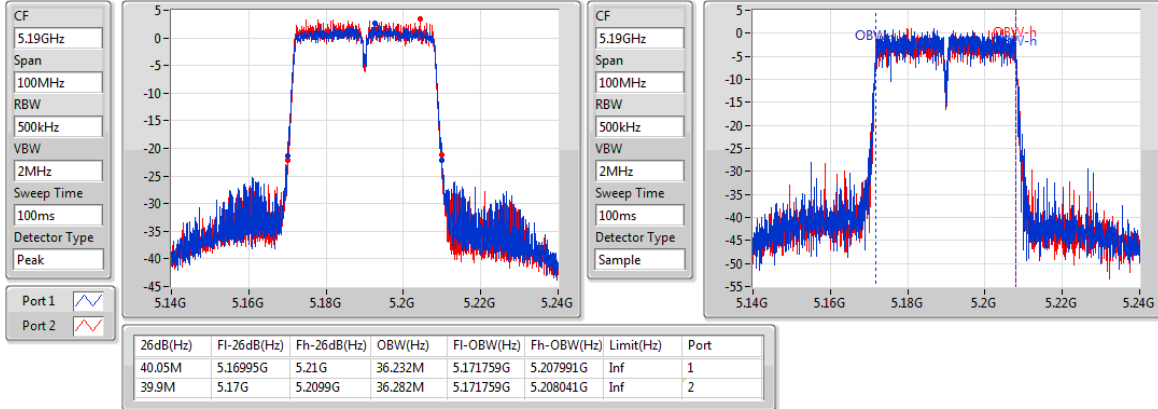


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5190MHz

21/09/2018

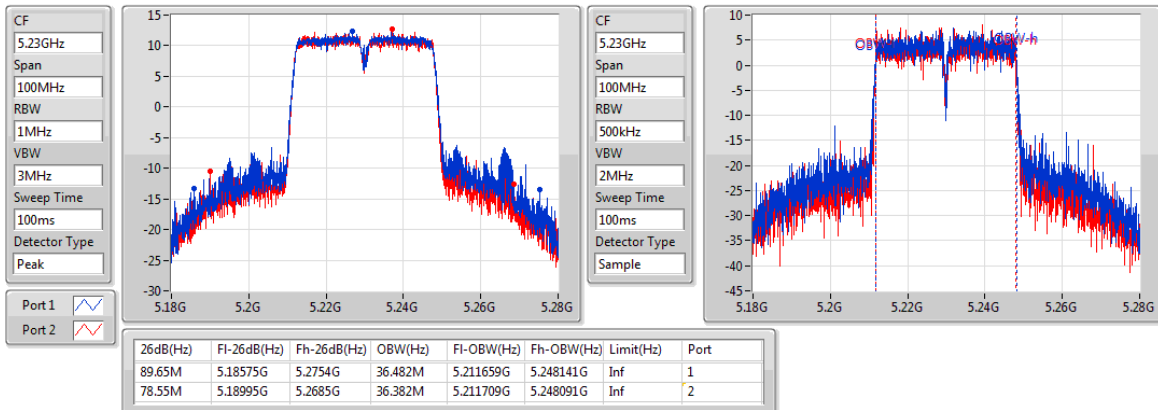


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5230MHz

21/09/2018

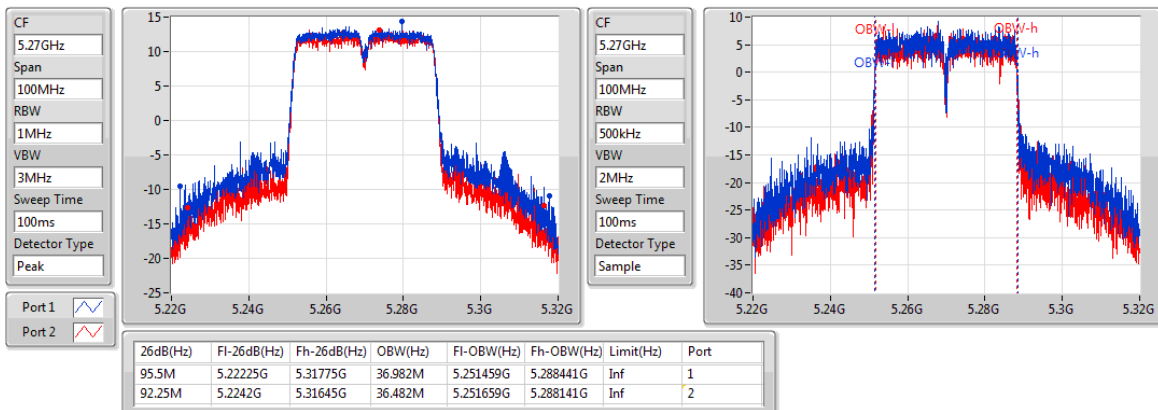


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5270MHz

21/09/2018

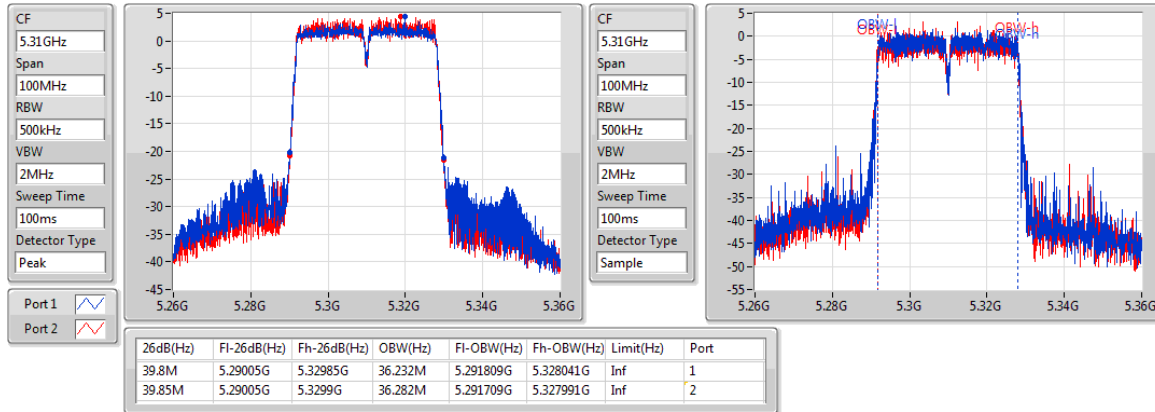


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5310MHz

21/09/2018

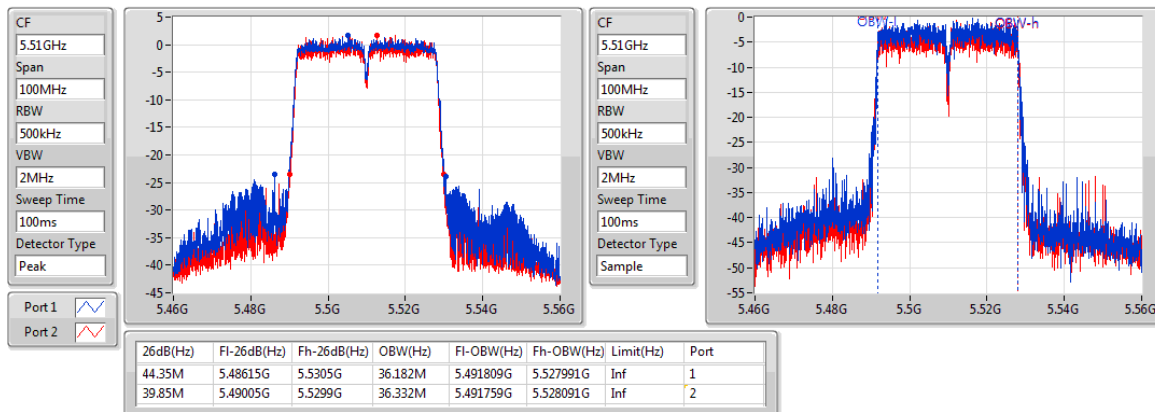


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5510MHz

21/09/2018

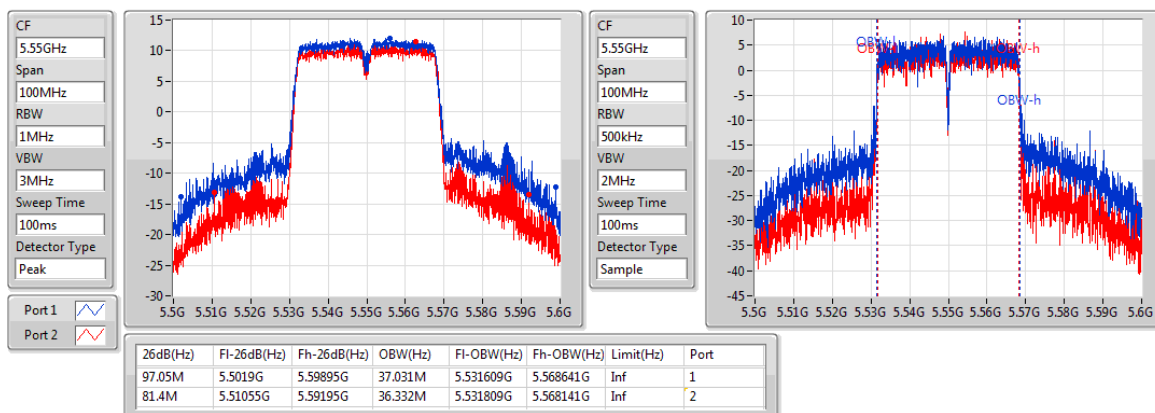


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5550MHz

21/09/2018

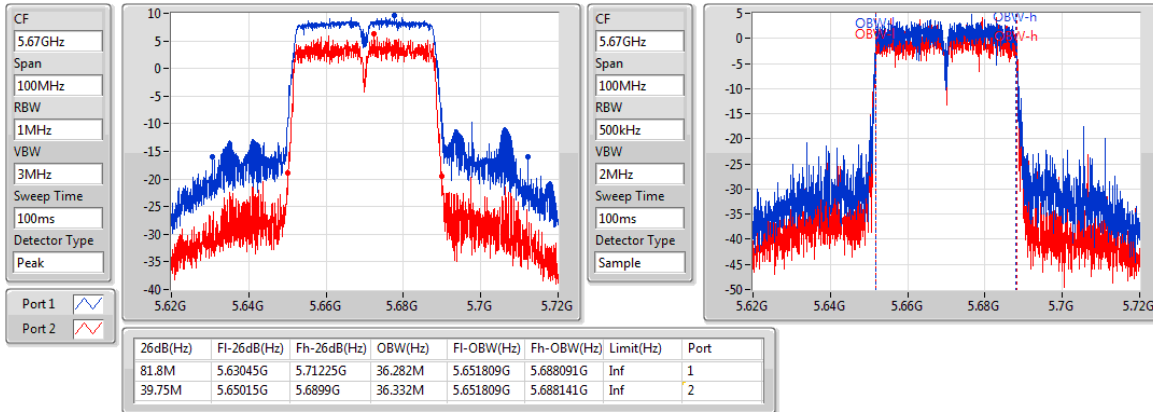


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5670MHz

21/09/2018

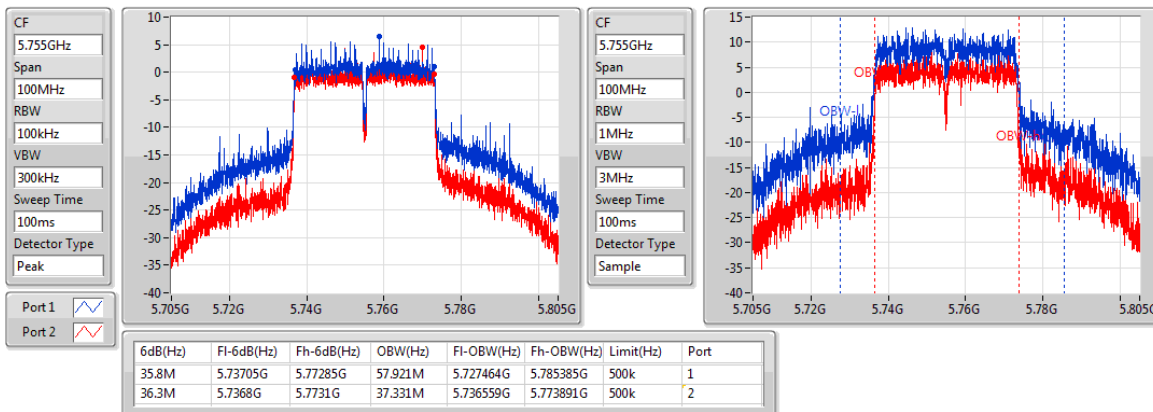


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5755MHz

21/09/2018

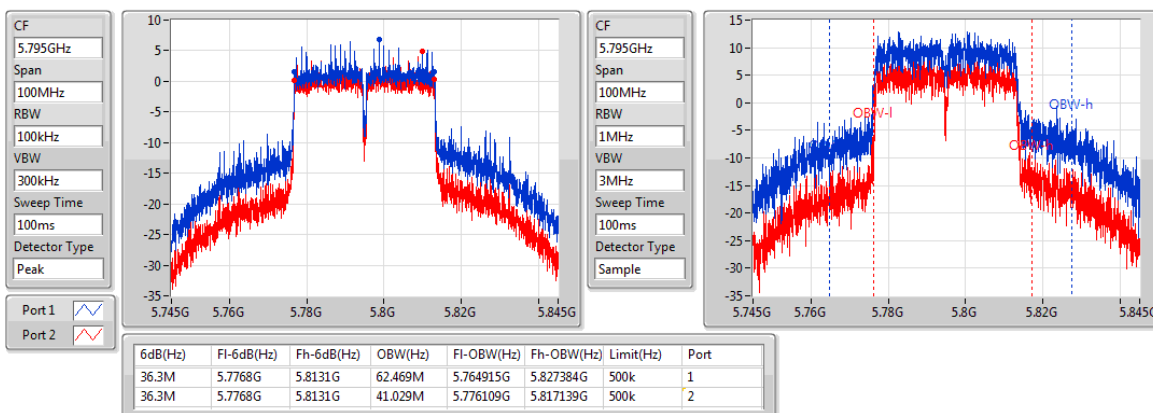


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5795MHz

21/09/2018

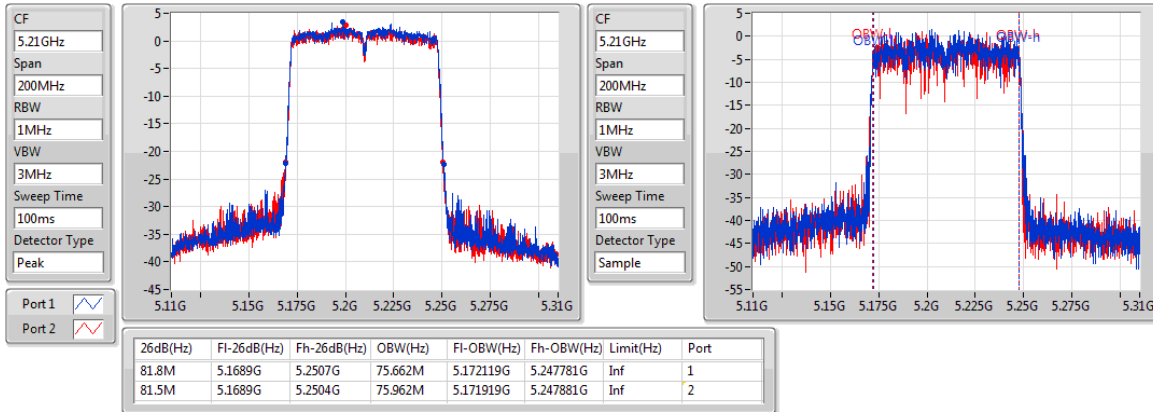


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

21/09/2018

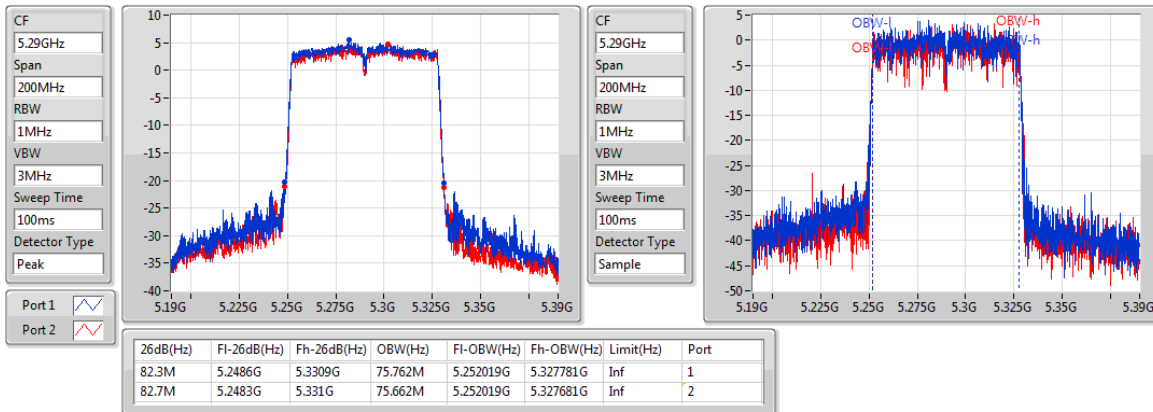


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5290MHz

21/09/2018

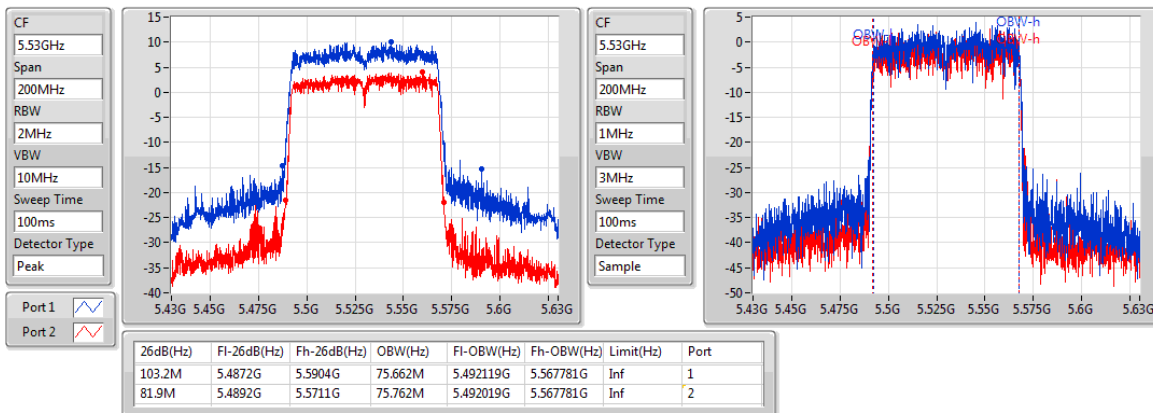


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5530MHz

21/09/2018

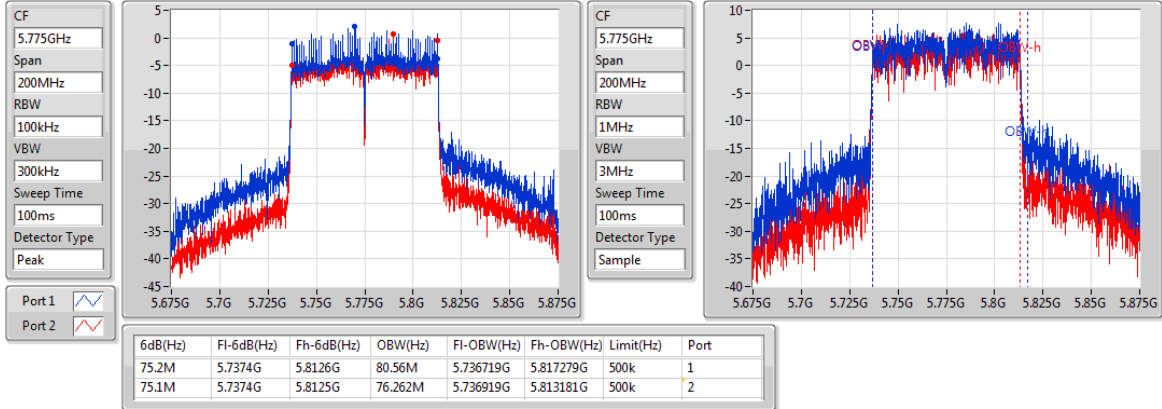


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

21/09/2018



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	42.25M	18.841M	18M8D1D	23.725M	16.667M
802.11n HT20_Nss1,(MCS0)_2TX	45.775M	18.216M	18M2D1D	26.425M	17.741M
802.11n HT40_Nss1,(MCS0)_2TX	86.1M	36.432M	36M4D1D	39.5M	36.282M
802.11ac VHT80_Nss1,(MCS0)_2TX	82.6M	75.862M	75M9D1D	82.1M	75.662M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	42.35M	19.24M	19M2D1D	31.85M	16.717M
802.11n HT20_Nss1,(MCS0)_2TX	45.3M	18.766M	18M8D1D	26.425M	17.741M
802.11n HT40_Nss1,(MCS0)_2TX	96.05M	36.632M	36M6D1D	39.7M	36.132M
802.11ac VHT80_Nss1,(MCS0)_2TX	86.9M	75.762M	75M8D1D	81.9M	75.662M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	39.475M	18.091M	18M1D1D	21.675M	16.592M
802.11n HT20_Nss1,(MCS0)_2TX	46.575M	18.841M	18M8D1D	21.575M	17.741M
802.11n HT40_Nss1,(MCS0)_2TX	95.45M	36.932M	36M9D1D	39.7M	36.232M
802.11ac VHT80_Nss1,(MCS0)_2TX	82M	75.762M	75M8D1D	81.4M	75.762M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	16.35M	32.809M	32M8D1D	16.275M	30.485M
802.11n HT20_Nss1,(MCS0)_2TX	17.55M	34.133M	34M1D1D	17.15M	32.259M
802.11n HT40_Nss1,(MCS0)_2TX	36.35M	57.771M	57M8D1D	36.25M	37.231M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.8M	76.662M	76M7D1D	75.3M	75.962M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth;

Result

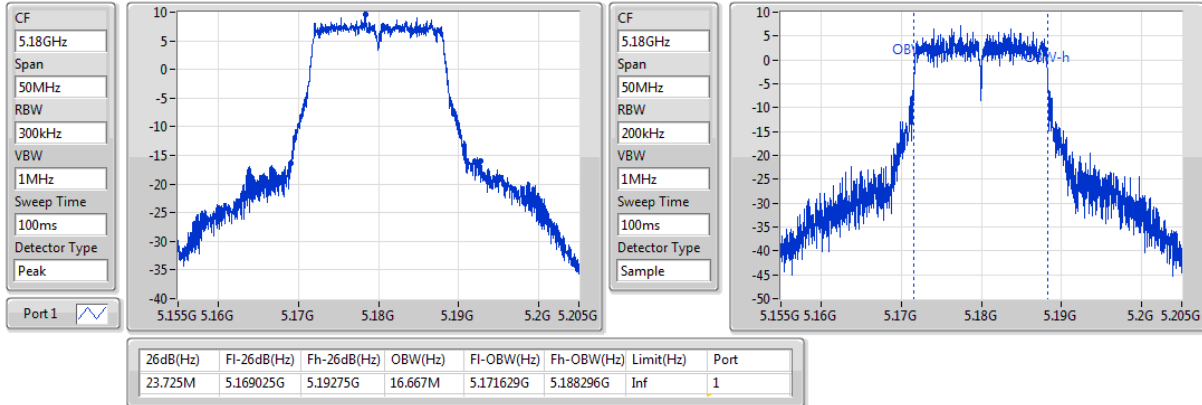
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-
5180MHz	Pass	Inf	23.725M	16.667M		
5200MHz	Pass	Inf	42.05M	17.966M		
5240MHz	Pass	Inf	42.25M	18.841M		
5260MHz	Pass	Inf	42.35M	18.941M		
5300MHz	Pass	Inf	42.225M	19.24M		
5320MHz	Pass	Inf	31.85M	16.717M		
5500MHz	Pass	Inf	36.55M	16.717M		
5580MHz	Pass	Inf	39.475M	18.091M		
5700MHz	Pass	Inf	21.675M	16.592M		
5745MHz	Pass	500k	16.3M	30.485M		
5785MHz	Pass	500k	16.35M	31.434M		
5825MHz	Pass	500k	16.275M	32.809M		
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	30.925M	17.791M	26.425M	17.741M
5200MHz	Pass	Inf	44.15M	18.166M	38.75M	17.916M
5240MHz	Pass	Inf	45.775M	18.216M	39.5M	17.966M
5260MHz	Pass	Inf	44.95M	18.391M	37.575M	17.966M
5300MHz	Pass	Inf	45.3M	18.766M	39.7M	18.041M
5320MHz	Pass	Inf	32.6M	17.741M	26.425M	17.791M
5500MHz	Pass	Inf	28.4M	17.791M	21.725M	17.741M
5580MHz	Pass	Inf	46.575M	18.841M	32.475M	17.841M
5700MHz	Pass	Inf	23.475M	17.741M	21.575M	17.741M
5745MHz	Pass	500k	17.15M	32.259M	17.525M	32.709M
5785MHz	Pass	500k	17.525M	32.984M	17.55M	33.008M
5825MHz	Pass	500k	17.55M	33.533M	17.525M	34.133M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.4M	36.282M	39.5M	36.282M
5230MHz	Pass	Inf	83.7M	36.432M	86.1M	36.282M
5270MHz	Pass	Inf	96.05M	36.632M	79.8M	36.432M
5310MHz	Pass	Inf	40.1M	36.132M	39.7M	36.232M
5510MHz	Pass	Inf	80.1M	36.332M	39.9M	36.382M
5550MHz	Pass	Inf	95.45M	36.932M	86.4M	36.382M
5670MHz	Pass	Inf	77.2M	36.232M	39.7M	36.232M
5755MHz	Pass	500k	36.25M	57.771M	36.3M	37.281M
5795MHz	Pass	500k	36.35M	57.371M	36.3M	37.231M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.1M	75.662M	82.6M	75.862M
5290MHz	Pass	Inf	81.9M	75.762M	86.9M	75.662M
5530MHz	Pass	Inf	82M	75.762M	81.4M	75.762M
5775MHz	Pass	500k	75.3M	76.662M	75.8M	75.962M

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

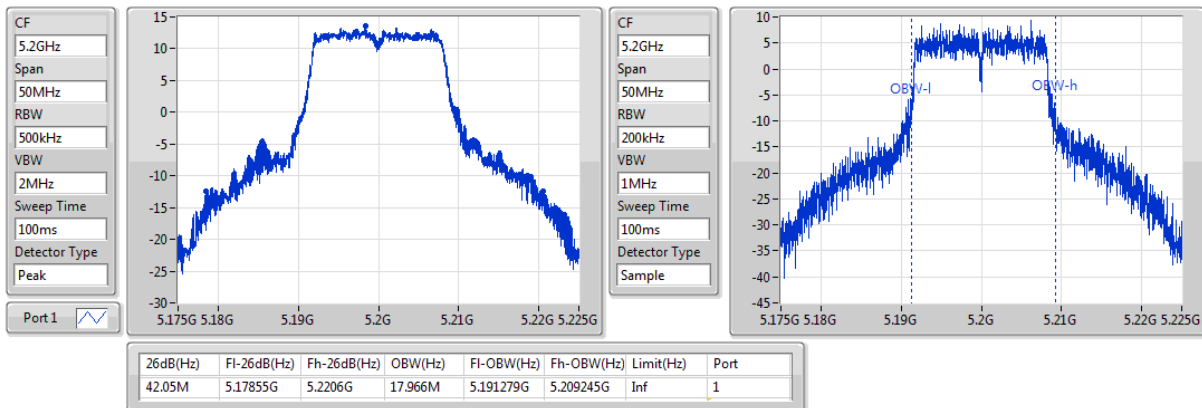
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5180MHz

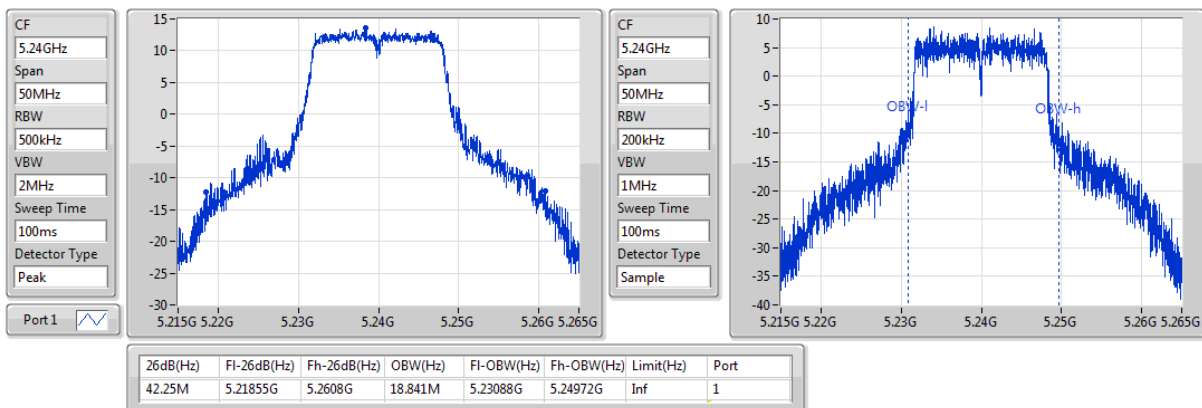
21/09/2018


802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5200MHz

21/09/2018

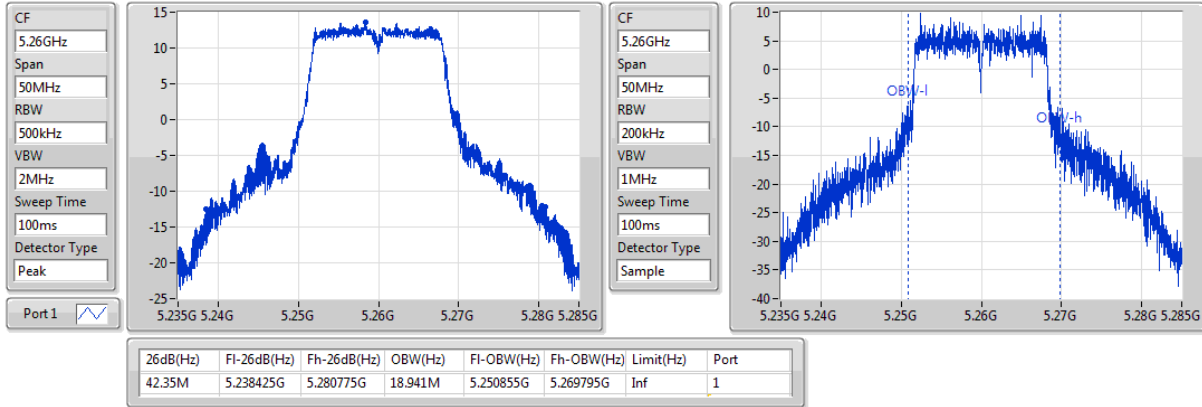

802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5240MHz

21/09/2018

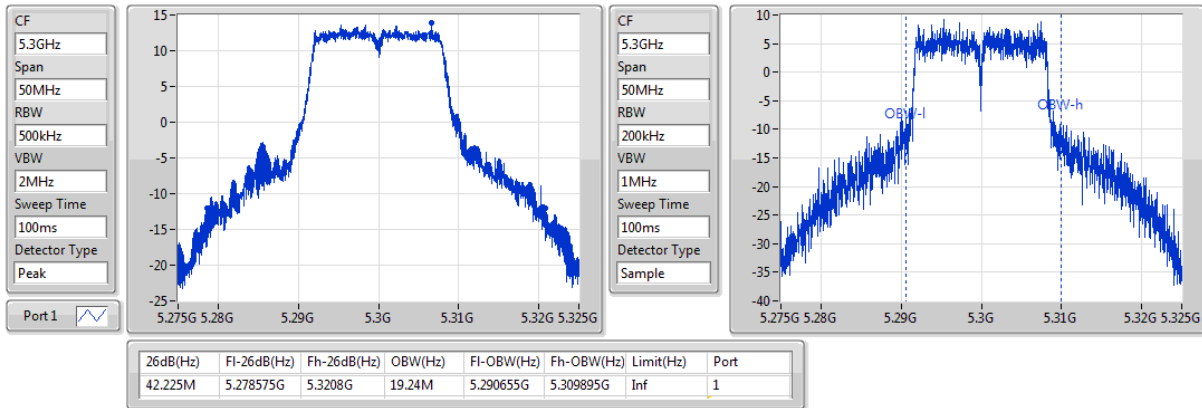


802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5260MHz

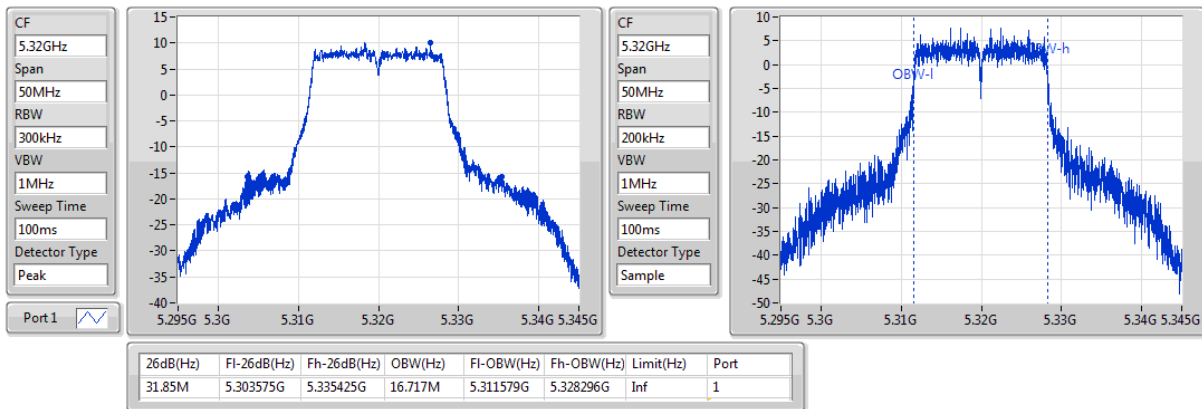
21/09/2018


802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5300MHz

21/09/2018

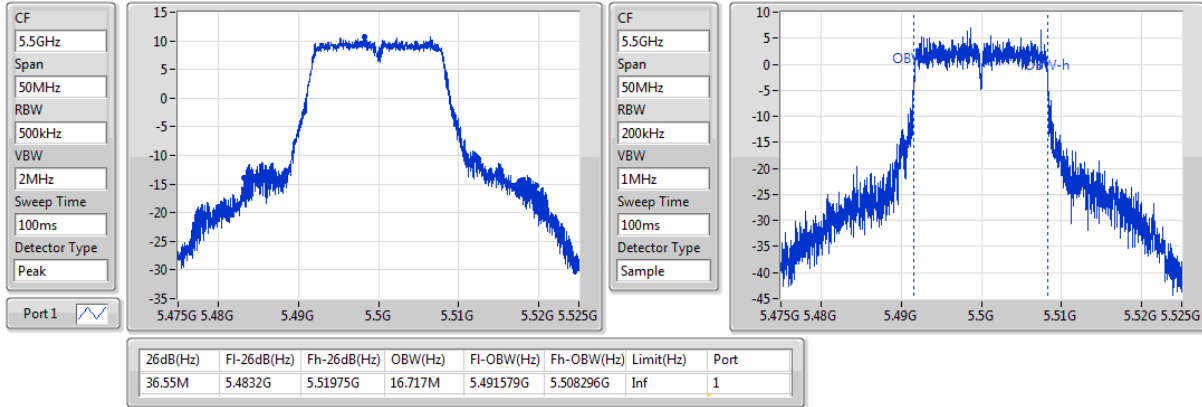

802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5320MHz

21/09/2018

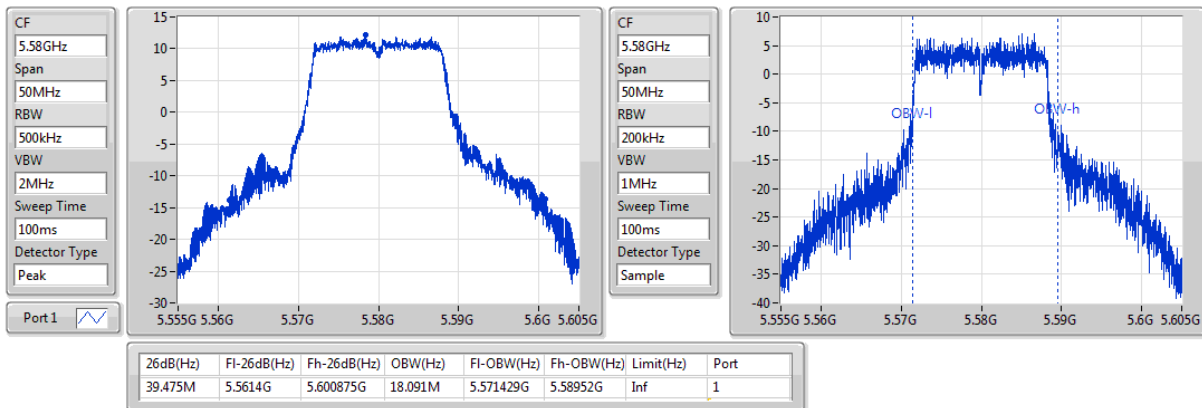


802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5500MHz

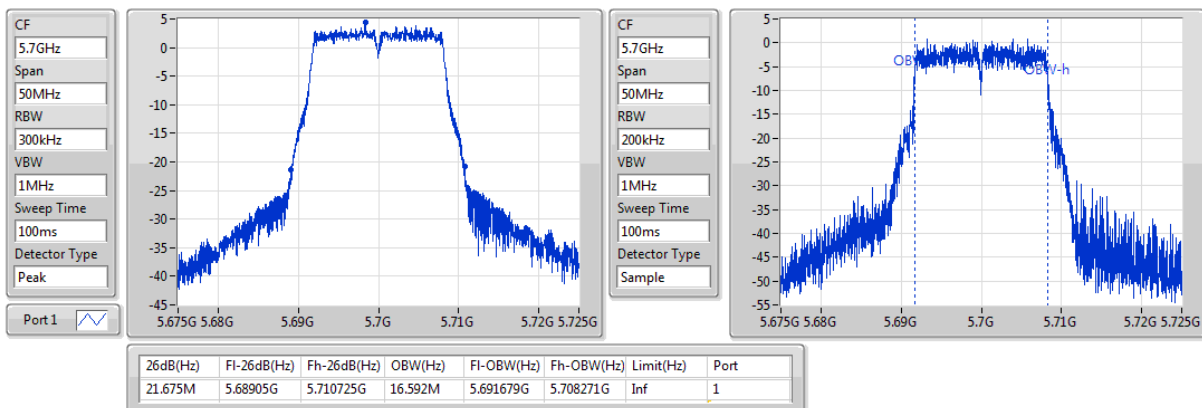
21/09/2018


802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5580MHz

21/09/2018


802.11a_Nss1,(6Mbps)_1TX(Port1)
EBW
5700MHz

21/09/2018

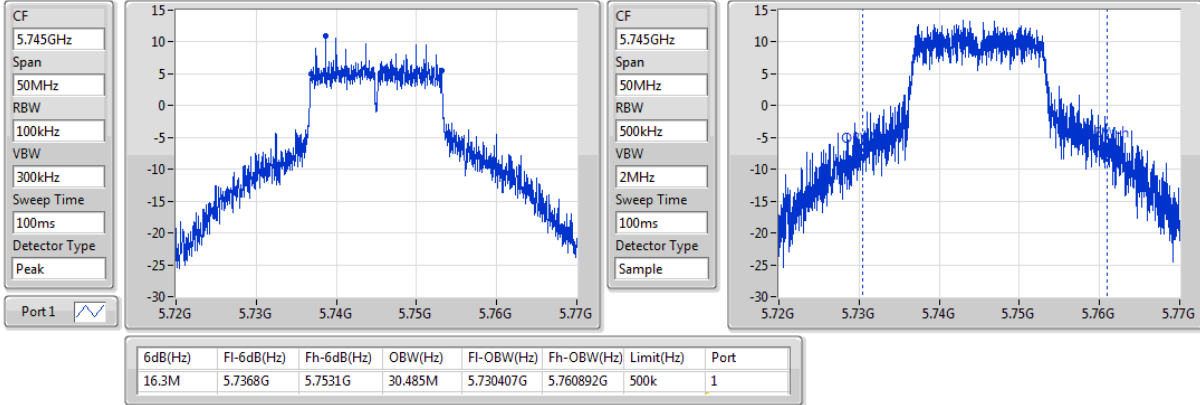


802.11a_Nss1,(6Mbps)_1TX(Port1)

EBW

5745MHz

21/09/2018

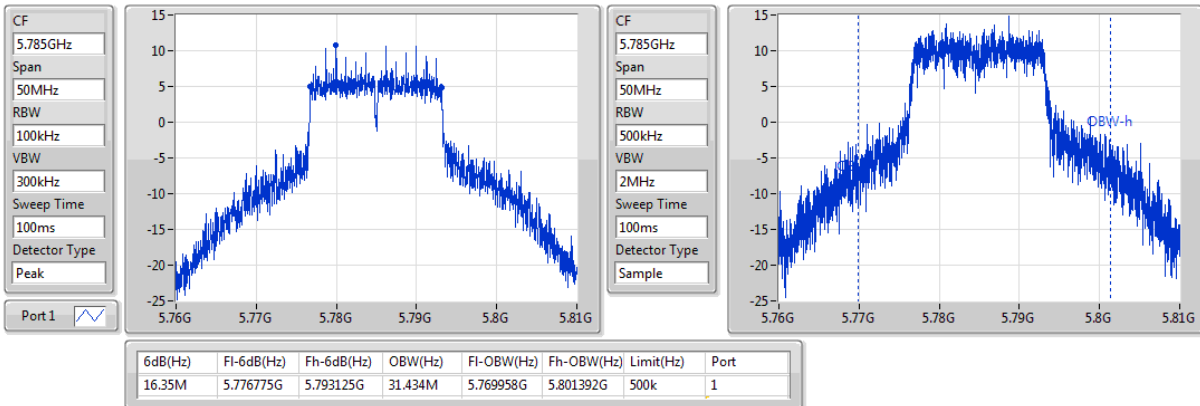


802.11a_Nss1,(6Mbps)_1TX(Port1)

EBW

5785MHz

21/09/2018

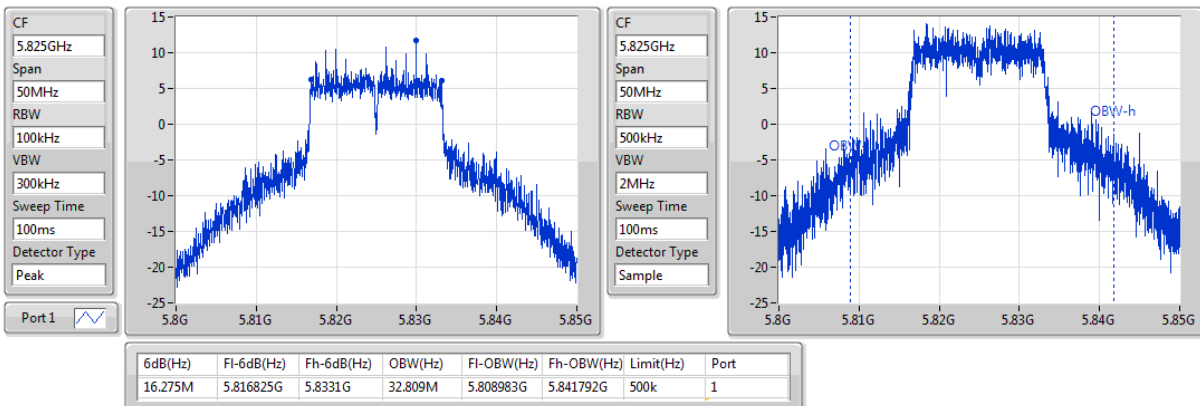


802.11a_Nss1,(6Mbps)_1TX(Port1)

EBW

5825MHz

21/09/2018

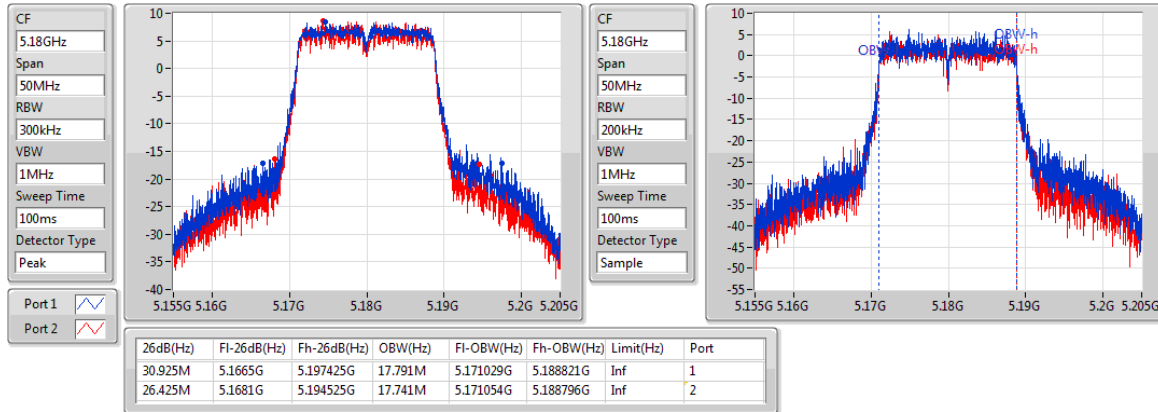


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5180MHz

21/09/2018

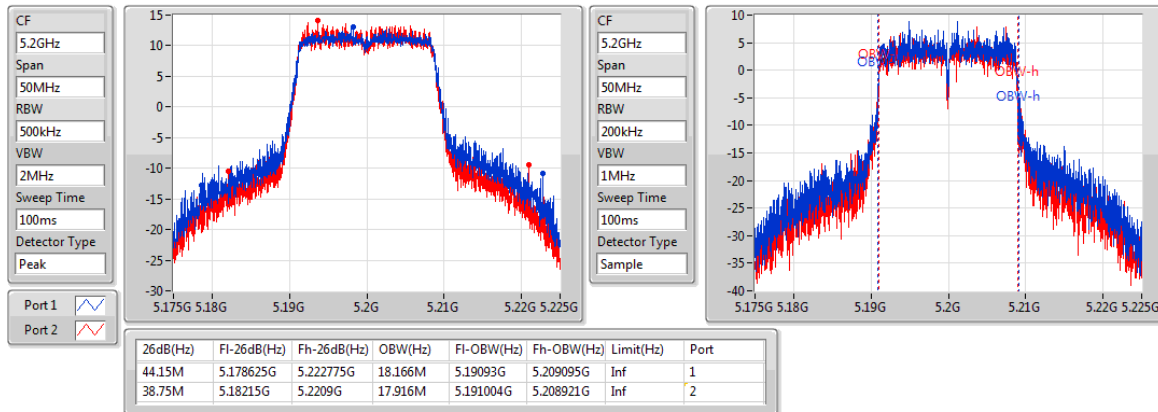


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5200MHz

21/09/2018

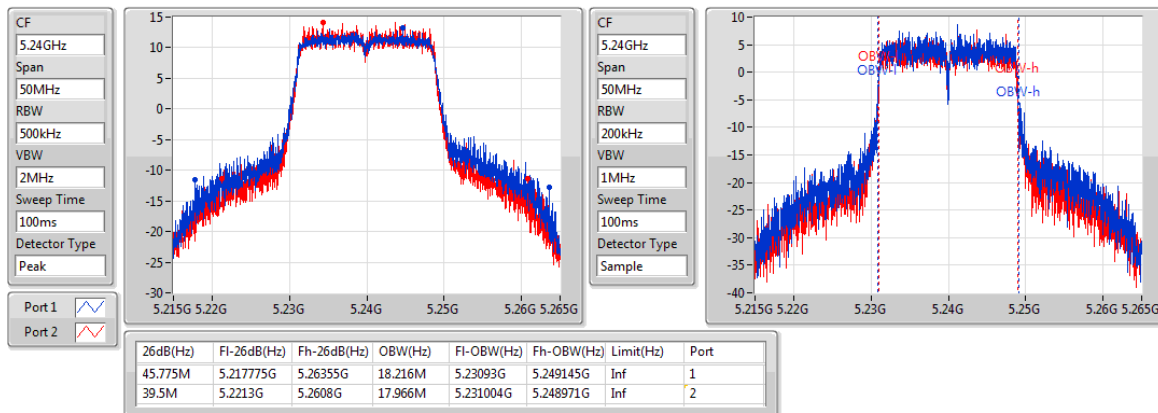


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5240MHz

21/09/2018

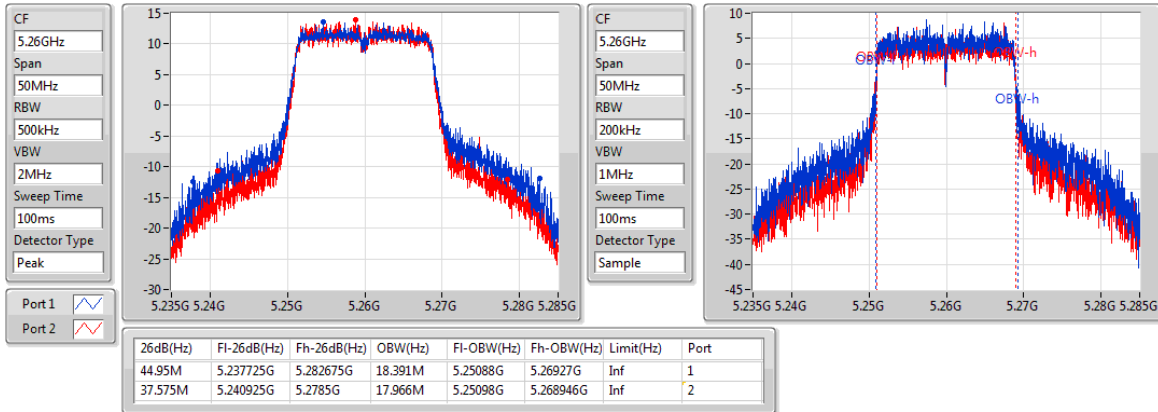


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5260MHz

21/09/2018

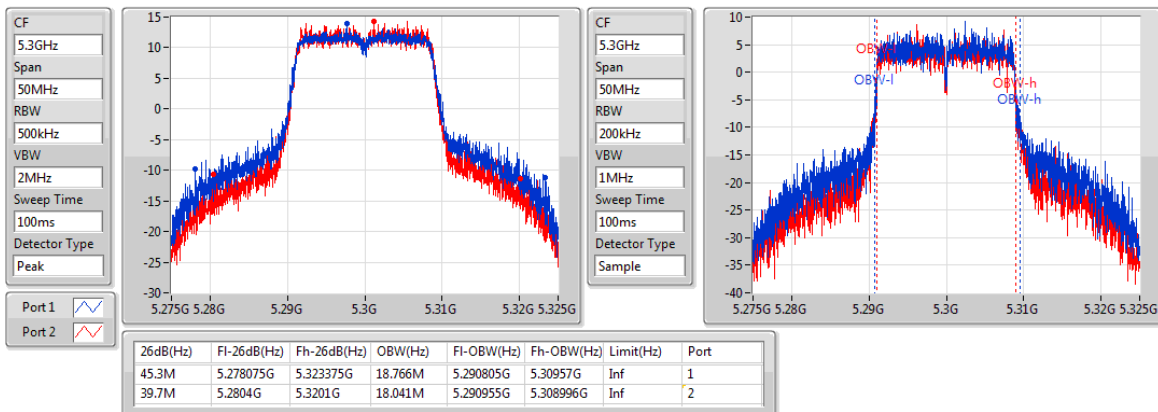


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5300MHz

21/09/2018

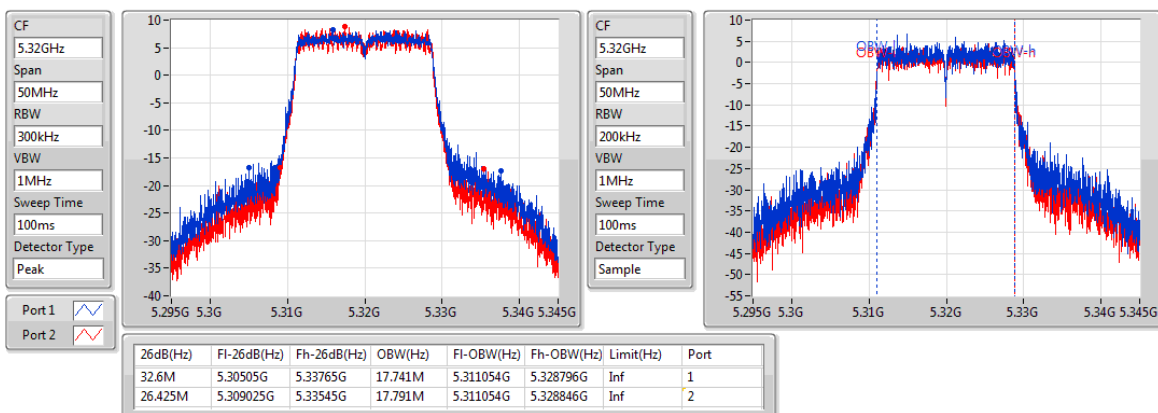


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5320MHz

21/09/2018

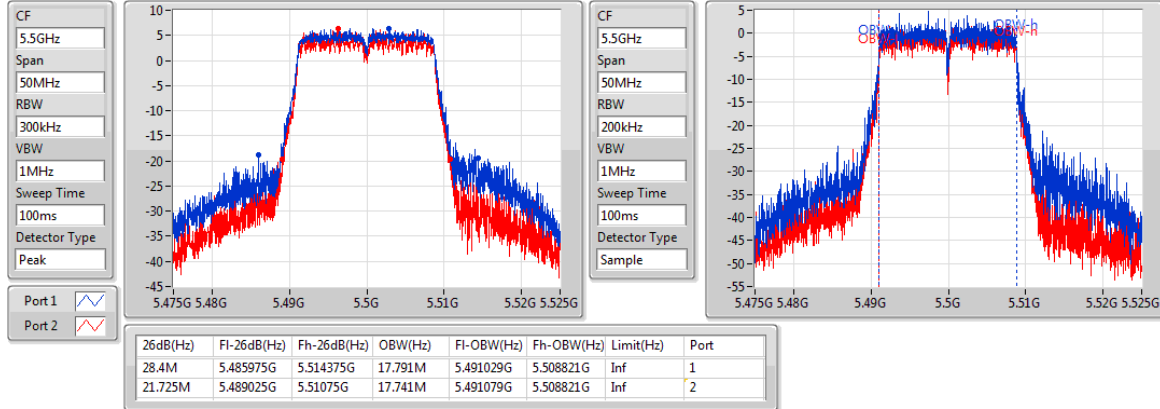


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5500MHz

21/09/2018

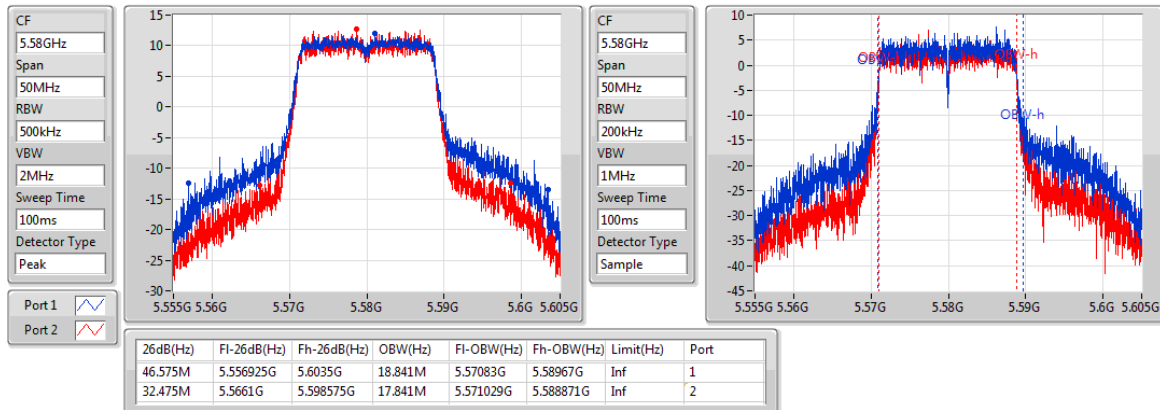


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5580MHz

21/09/2018

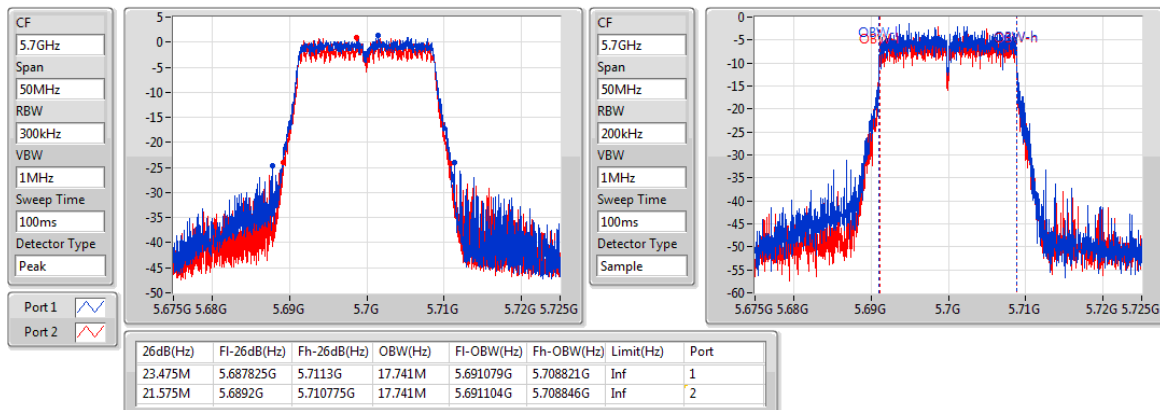


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5700MHz

21/09/2018

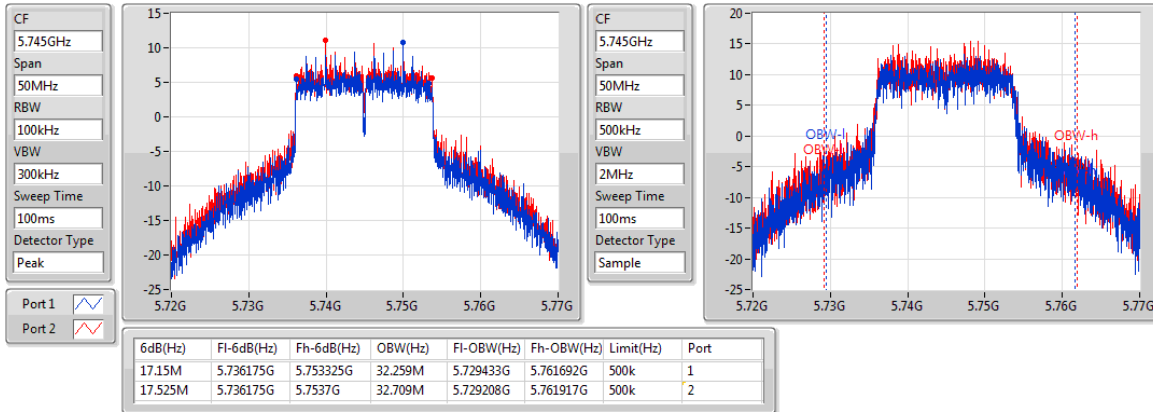


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5745MHz

21/09/2018

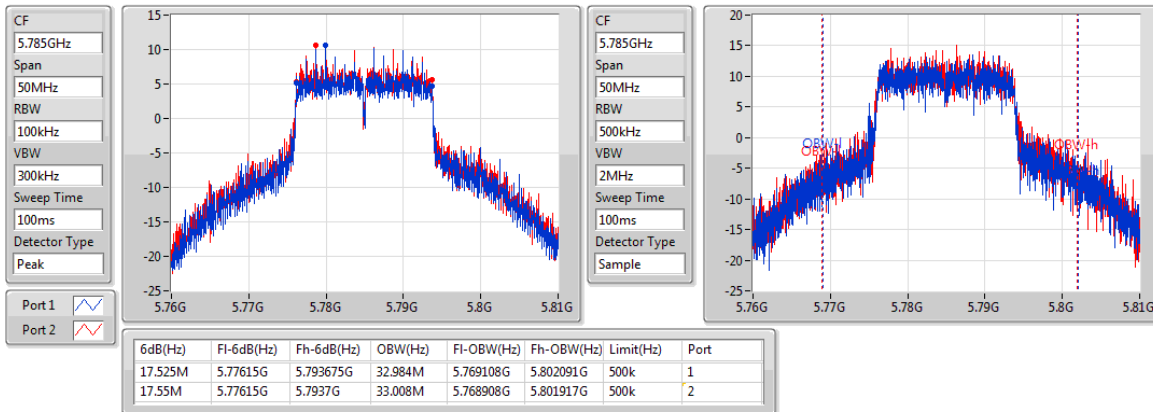


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5785MHz

21/09/2018

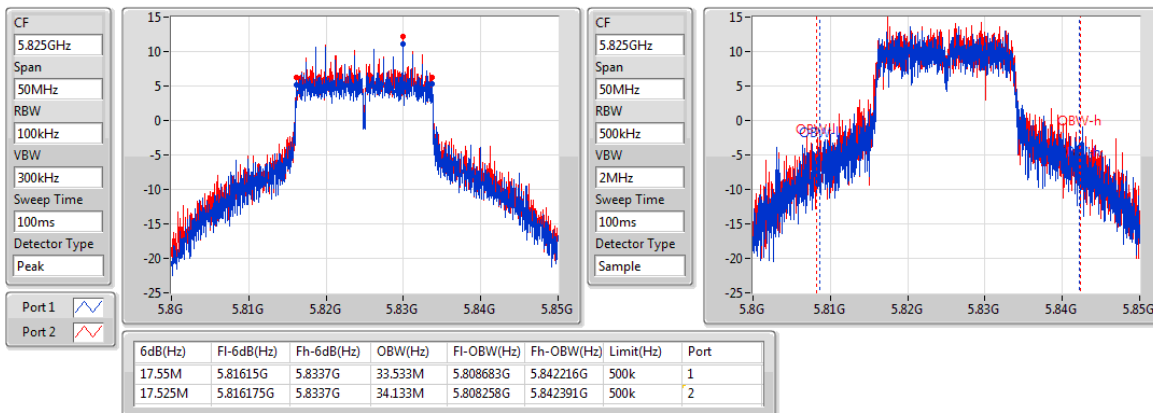


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5825MHz

21/09/2018

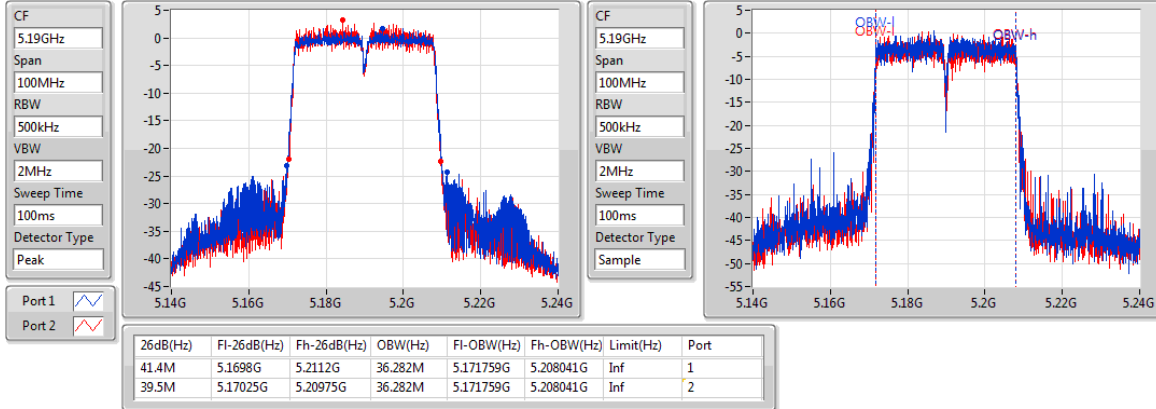


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5190MHz

21/09/2018

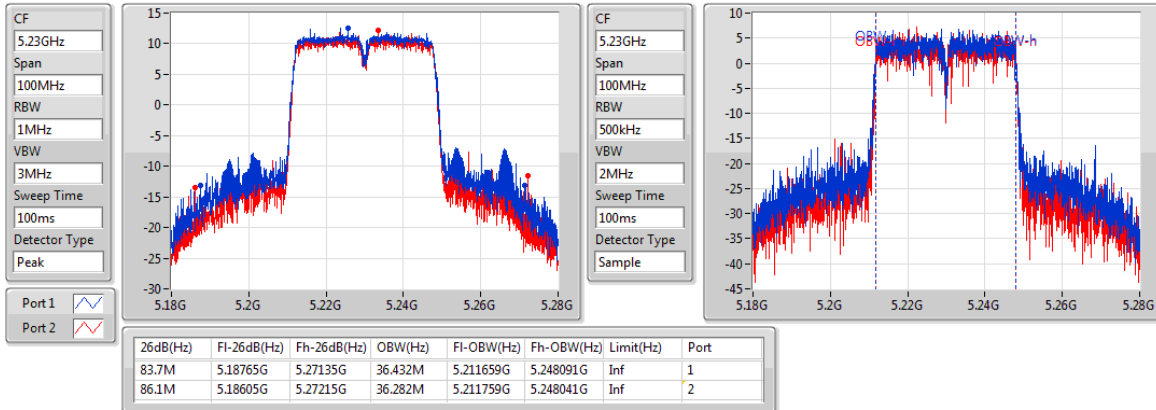


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5230MHz

21/09/2018

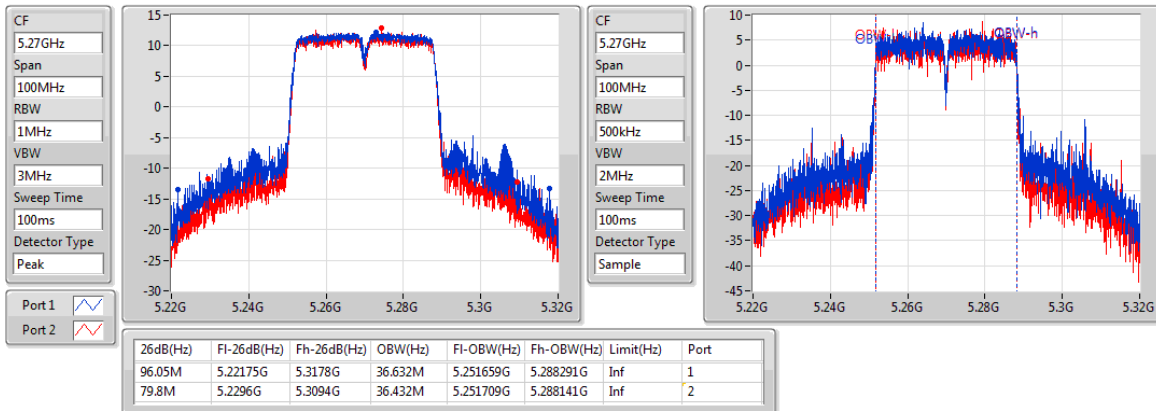


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5270MHz

21/09/2018

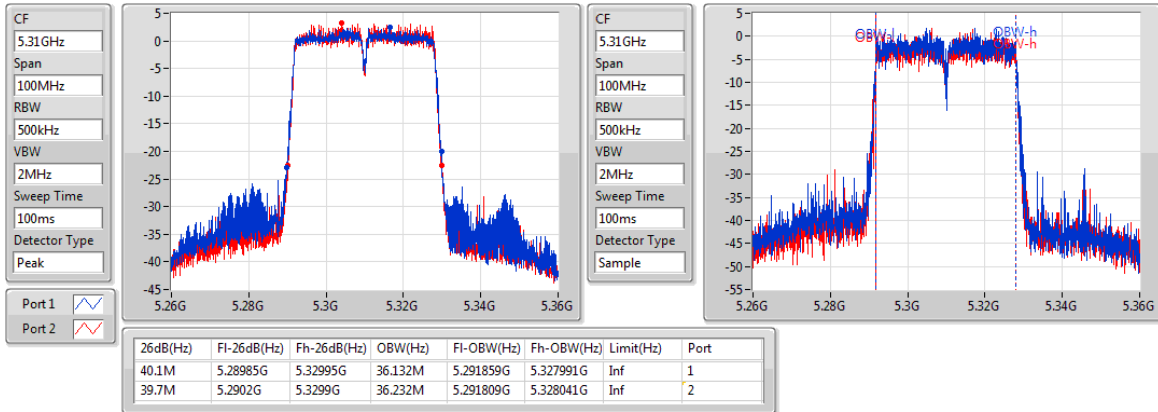


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5310MHz

21/09/2018

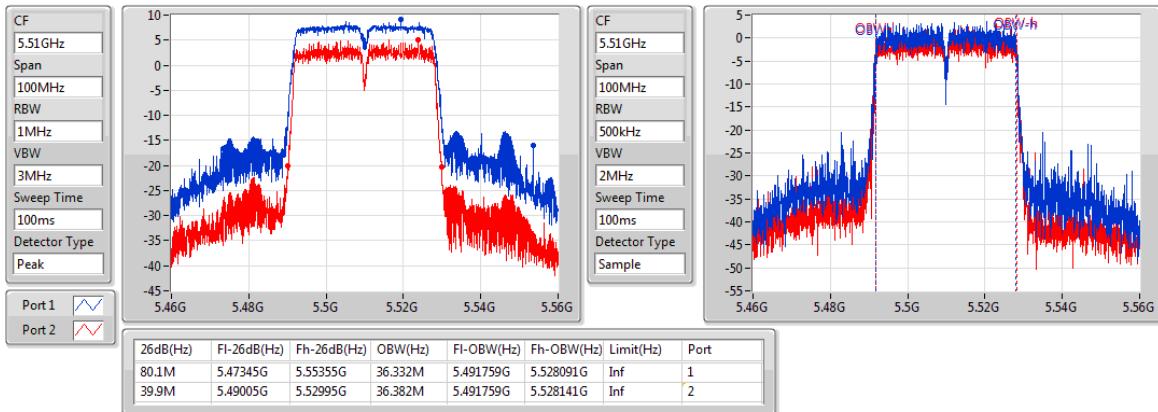


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5510MHz

21/09/2018

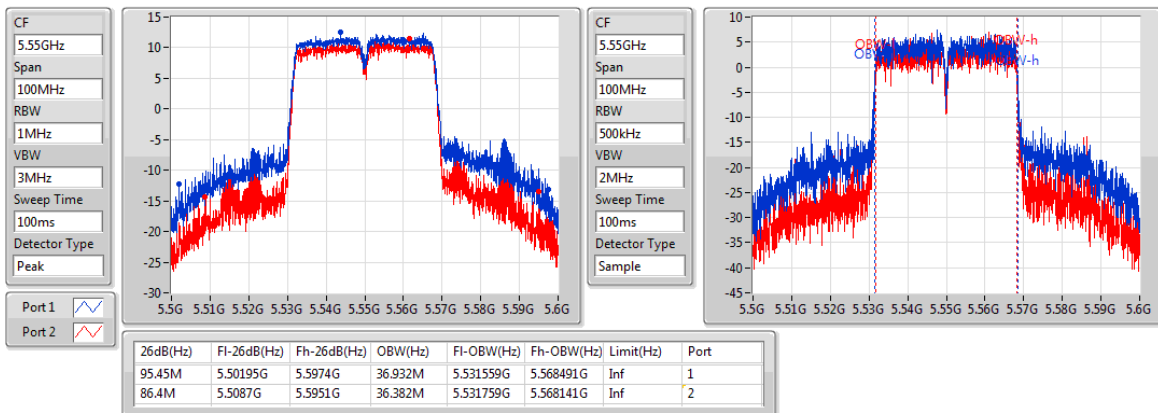


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5550MHz

21/09/2018

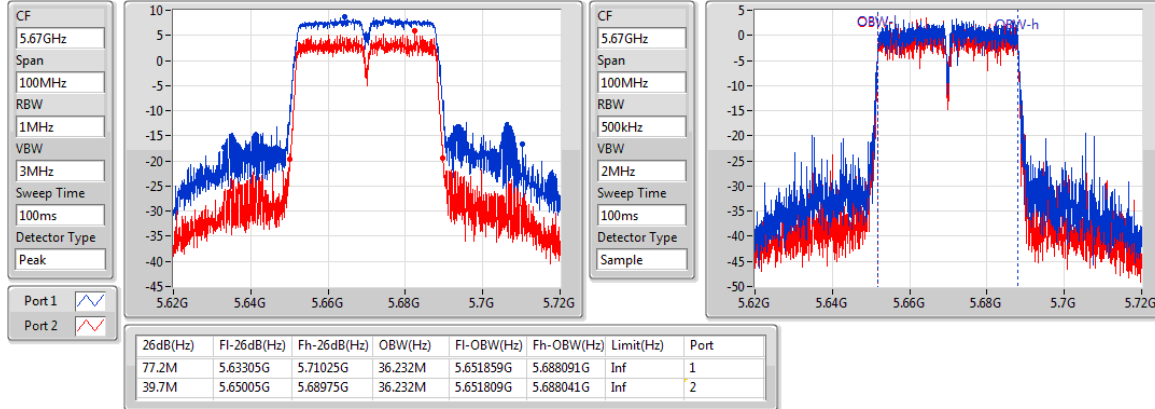


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5670MHz

21/09/2018

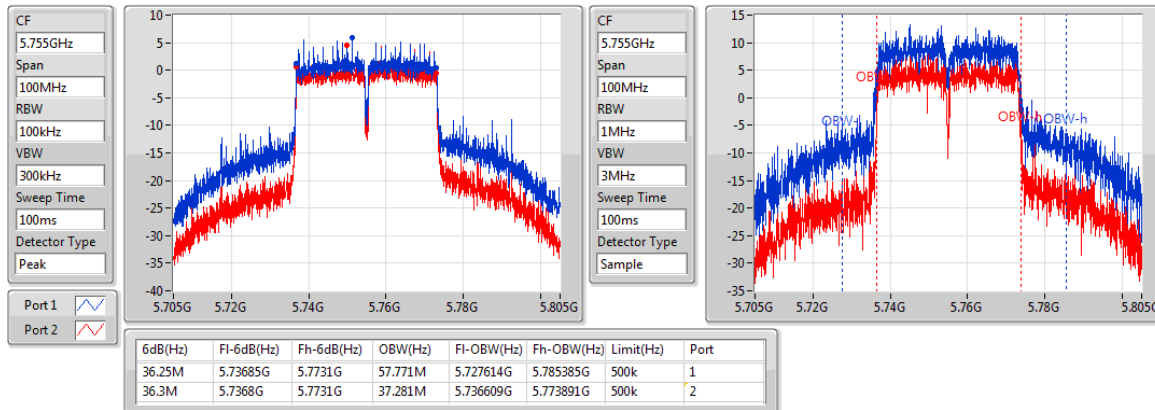


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5755MHz

21/09/2018

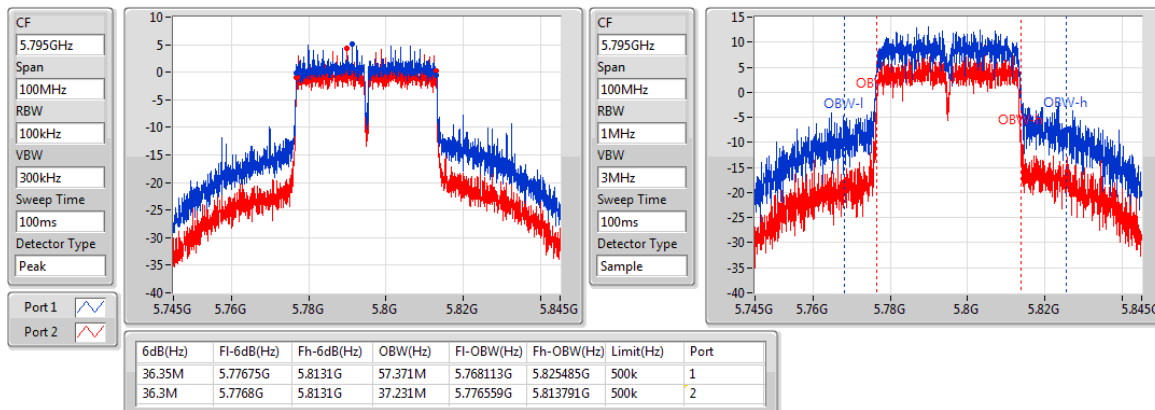


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5795MHz

21/09/2018

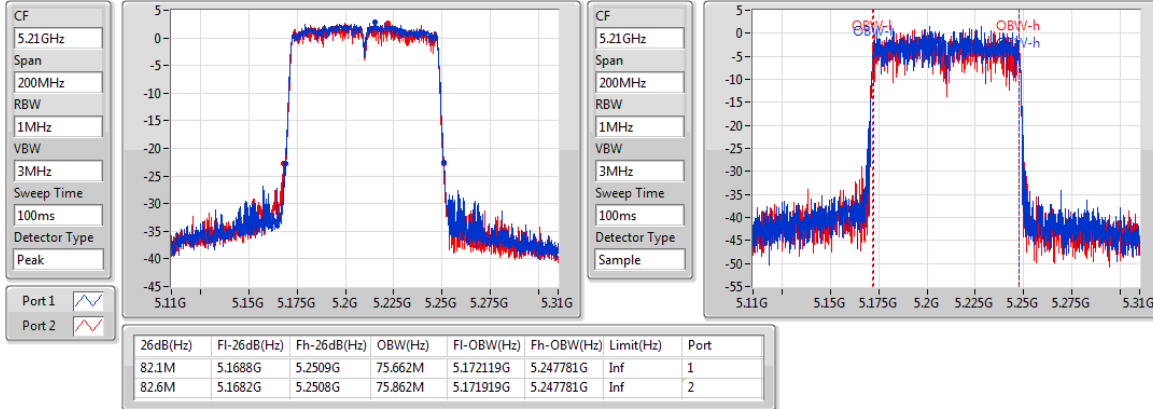


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

21/09/2018

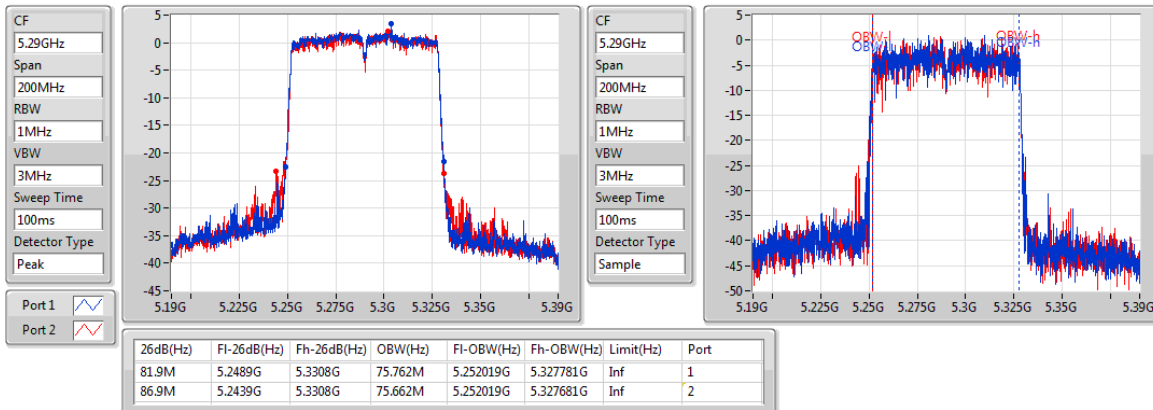


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5290MHz

21/09/2018

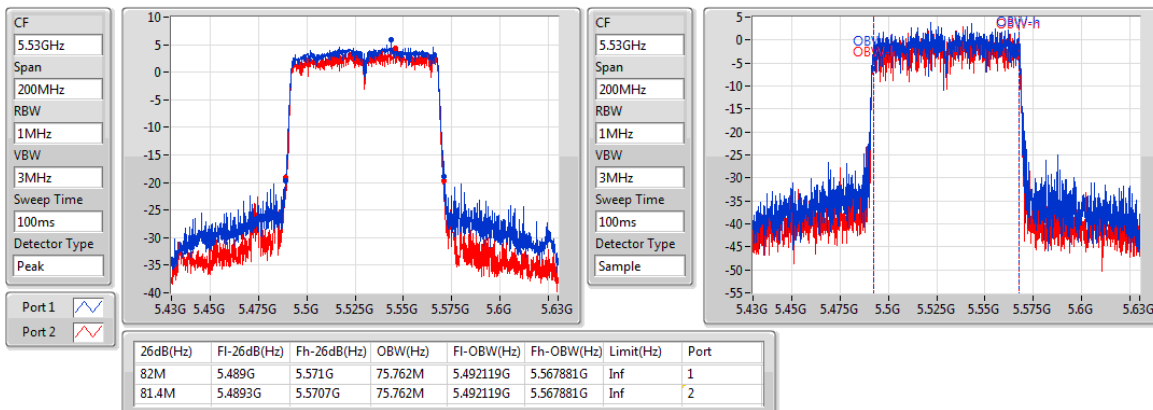


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5530MHz

21/09/2018

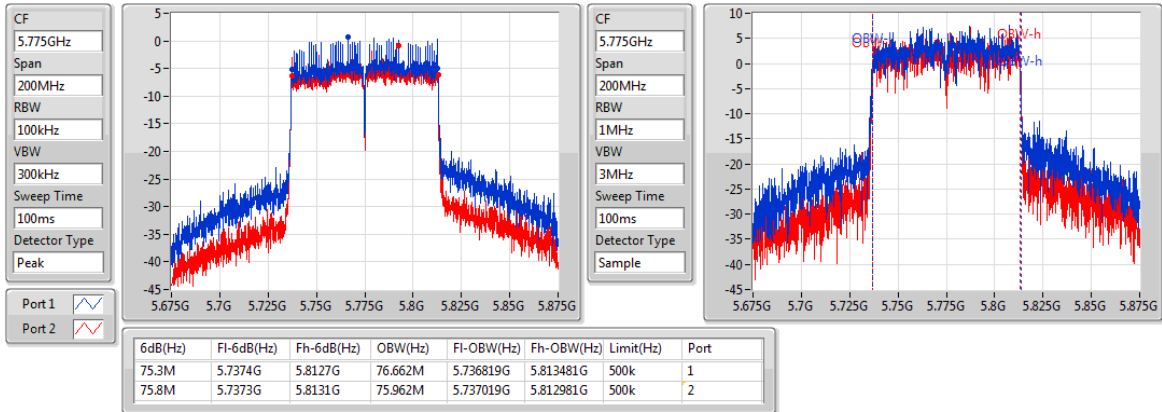


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

21/09/2018



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	21.72	0.14859	27.25	0.53088
802.11n HT20_Nss1,(MCS0)_2TX	22.05	0.16032	27.58	0.57280
802.11n HT40_Nss1,(MCS0)_2TX	21.08	0.12823	26.61	0.45814
802.11ac VHT80_Nss1,(MCS0)_2TX	14.10	0.02570	19.63	0.09183
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	20.59	0.11455	27.07	0.50933
802.11n HT20_Nss1,(MCS0)_2TX	21.03	0.12677	27.51	0.56364
802.11n HT40_Nss1,(MCS0)_2TX	22.17	0.16482	28.65	0.73282
802.11ac VHT80_Nss1,(MCS0)_2TX	16.36	0.04325	22.84	0.19231
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	19.31	0.08531	27.22	0.52723
802.11n HT20_Nss1,(MCS0)_2TX	19.81	0.09572	27.72	0.59156
802.11n HT40_Nss1,(MCS0)_2TX	20.96	0.12474	28.87	0.77090
802.11ac VHT80_Nss1,(MCS0)_2TX	16.33	0.04295	24.24	0.26546
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	21.76	0.14997	27.14	0.51761
802.11n HT20_Nss1,(MCS0)_2TX	24.75	0.29854	30.13	1.03039
802.11n HT40_Nss1,(MCS0)_2TX	22.91	0.19543	28.29	0.67453
802.11ac VHT80_Nss1,(MCS0)_2TX	20.27	0.10641	25.65	0.36728

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-
5180MHz	Pass	5.53	18.84		18.84	24.00	24.37	30.00
5200MHz	Pass	5.53	21.72		21.72	24.00	27.25	30.00
5240MHz	Pass	5.53	20.57		20.57	24.00	26.10	30.00
5260MHz	Pass	6.48	20.50		20.50	23.52	26.98	30.00
5300MHz	Pass	6.48	20.59		20.59	23.52	27.07	30.00
5320MHz	Pass	6.48	19.67		19.67	23.52	26.15	30.00
5500MHz	Pass	7.91	18.17		18.17	22.09	26.08	30.00
5580MHz	Pass	7.91	19.31		19.31	22.09	27.22	30.00
5700MHz	Pass	7.91	16.30		16.30	22.09	24.21	30.00
5745MHz	Pass	5.38	21.34		21.34	30.00	26.72	36.00
5785MHz	Pass	5.38	21.39		21.39	30.00	26.77	36.00
5825MHz	Pass	5.38	21.76		21.76	30.00	27.14	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.53	18.29	17.30	20.83	24.00	26.36	30.00
5200MHz	Pass	5.53	19.36	18.33	21.89	24.00	27.42	30.00
5240MHz	Pass	5.53	19.47	18.56	22.05	24.00	27.58	30.00
5260MHz	Pass	6.48	18.43	17.56	21.03	23.52	27.51	30.00
5300MHz	Pass	6.48	18.02	17.40	20.73	23.52	27.21	30.00
5320MHz	Pass	6.48	18.08	17.43	20.78	23.52	27.26	30.00
5500MHz	Pass	7.91	15.63	14.28	18.02	22.09	25.93	30.00
5580MHz	Pass	7.91	17.28	16.25	19.81	22.09	27.72	30.00
5700MHz	Pass	7.91	10.54	9.32	12.98	22.09	20.89	30.00
5745MHz	Pass	5.38	21.17	21.80	24.51	30.00	29.89	36.00
5785MHz	Pass	5.38	21.18	21.76	24.49	30.00	29.87	36.00
5825MHz	Pass	5.38	21.40	22.05	24.75	30.00	30.13	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.53	12.38	11.81	15.11	24.00	20.64	30.00
5230MHz	Pass	5.53	18.46	17.65	21.08	24.00	26.61	30.00
5270MHz	Pass	6.48	19.56	18.72	22.17	23.52	28.65	30.00
5310MHz	Pass	6.48	13.16	12.57	15.89	23.52	22.37	30.00
5510MHz	Pass	7.91	11.55	10.23	13.95	22.09	21.86	30.00
5550MHz	Pass	7.91	18.62	17.15	20.96	22.09	28.87	30.00
5670MHz	Pass	7.91	15.58	14.26	17.98	22.09	25.89	30.00
5755MHz	Pass	5.38	20.12	18.64	22.45	30.00	27.83	36.00
5795MHz	Pass	5.38	20.48	19.23	22.91	30.00	28.29	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.53	11.36	10.80	14.10	24.00	19.63	30.00
5290MHz	Pass	6.48	13.55	13.15	16.36	23.52	22.84	30.00
5530MHz	Pass	7.91	14.03	12.47	16.33	22.09	24.24	30.00
5775MHz	Pass	5.38	17.91	16.50	20.27	30.00	25.65	36.00

DG = Directional Gain; **Port X** = Port X output power

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	20.60	0.11482	24.12	0.25823
802.11n HT20_Nss1,(MCS0)_2TX	22.49	0.17742	26.01	0.39902
802.11n HT40_Nss1,(MCS0)_2TX	20.64	0.11588	24.16	0.26062
802.11ac VHT80_Nss1,(MCS0)_2TX	14.29	0.02685	17.81	0.06039
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	20.55	0.11350	25.03	0.31842
802.11n HT20_Nss1,(MCS0)_2TX	22.69	0.18578	27.17	0.52119
802.11n HT40_Nss1,(MCS0)_2TX	21.23	0.13274	25.71	0.37239
802.11ac VHT80_Nss1,(MCS0)_2TX	13.60	0.02291	18.08	0.06427
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	19.42	0.08750	23.17	0.20749
802.11n HT20_Nss1,(MCS0)_2TX	21.67	0.14689	25.42	0.34834
802.11n HT40_Nss1,(MCS0)_2TX	20.99	0.12560	24.74	0.29785
802.11ac VHT80_Nss1,(MCS0)_2TX	16.34	0.04305	20.09	0.10209
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	21.75	0.14962	25.81	0.38107
802.11n HT20_Nss1,(MCS0)_2TX	24.73	0.29717	28.79	0.75683
802.11n HT40_Nss1,(MCS0)_2TX	22.45	0.17579	26.51	0.44771
802.11ac VHT80_Nss1,(MCS0)_2TX	19.54	0.08995	23.60	0.22909

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-
5180MHz	Pass	3.52	18.29		18.29	24.00	21.81	30.00
5200MHz	Pass	3.52	20.48		20.48	24.00	24.00	30.00
5240MHz	Pass	3.52	20.60		20.60	24.00	24.12	30.00
5260MHz	Pass	4.48	20.51		20.51	24.00	24.99	30.00
5300MHz	Pass	4.48	20.55		20.55	24.00	25.03	30.00
5320MHz	Pass	4.48	18.60		18.60	24.00	23.08	30.00
5500MHz	Pass	3.75	17.87		17.87	24.00	21.62	30.00
5580MHz	Pass	3.75	19.42		19.42	24.00	23.17	30.00
5700MHz	Pass	3.75	12.95		12.95	24.00	16.70	30.00
5745MHz	Pass	4.06	21.36		21.36	30.00	25.42	36.00
5785MHz	Pass	4.06	21.40		21.40	30.00	25.46	36.00
5825MHz	Pass	4.06	21.75		21.75	30.00	25.81	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.52	17.81	16.99	20.43	24.00	23.95	30.00
5200MHz	Pass	3.52	19.77	18.99	22.41	24.00	25.93	30.00
5240MHz	Pass	3.52	19.79	19.15	22.49	24.00	26.01	30.00
5260MHz	Pass	4.48	19.96	19.00	22.52	24.00	27.00	30.00
5300MHz	Pass	4.48	19.99	19.35	22.69	24.00	27.17	30.00
5320MHz	Pass	4.48	17.57	16.99	20.30	24.00	24.78	30.00
5500MHz	Pass	3.75	15.99	14.70	18.40	24.00	22.15	30.00
5580MHz	Pass	3.75	19.21	18.03	21.67	24.00	25.42	30.00
5700MHz	Pass	3.75	10.49	9.32	12.95	24.00	16.70	30.00
5745MHz	Pass	4.06	21.17	21.82	24.52	30.00	28.58	36.00
5785MHz	Pass	4.06	21.22	21.76	24.51	30.00	28.57	36.00
5825MHz	Pass	4.06	21.36	22.06	24.73	30.00	28.79	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.52	11.37	10.70	14.06	24.00	17.58	30.00
5230MHz	Pass	3.52	18.03	17.19	20.64	24.00	24.16	30.00
5270MHz	Pass	4.48	18.58	17.82	21.23	24.00	25.71	30.00
5310MHz	Pass	4.48	12.20	11.46	14.86	24.00	19.34	30.00
5510MHz	Pass	3.75	14.96	13.46	17.28	24.00	21.03	30.00
5550MHz	Pass	3.75	18.63	17.22	20.99	24.00	24.74	30.00
5670MHz	Pass	3.75	15.07	13.90	17.53	24.00	21.28	30.00
5755MHz	Pass	4.06	20.10	18.66	22.45	30.00	26.51	36.00
5795MHz	Pass	4.06	20.03	18.44	22.32	30.00	26.38	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.52	11.62	10.92	14.29	24.00	17.81	30.00
5290MHz	Pass	4.48	10.88	10.27	13.60	24.00	18.08	30.00
5530MHz	Pass	3.75	14.04	12.47	16.34	24.00	20.09	30.00
5775MHz	Pass	4.06	17.12	15.85	19.54	30.00	23.60	36.00

DG = Directional Gain; **Port X** = Port X output power

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	8.10	13.63
802.11n HT20_Nss1,(MCS0)_2TX	8.38	16.92
802.11n HT40_Nss1,(MCS0)_2TX	4.75	13.29
802.11ac VHT80_Nss1,(MCS0)_2TX	-4.20	4.34
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	7.19	13.67
802.11n HT20_Nss1,(MCS0)_2TX	7.41	16.90
802.11n HT40_Nss1,(MCS0)_2TX	5.94	15.43
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.88	7.61
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	5.65	13.56
802.11n HT20_Nss1,(MCS0)_2TX	5.79	16.71
802.11n HT40_Nss1,(MCS0)_2TX	4.35	15.27
802.11ac VHT80_Nss1,(MCS0)_2TX	-2.28	8.64
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	6.59	11.97
802.11n HT20_Nss1,(MCS0)_2TX	9.26	17.65
802.11n HT40_Nss1,(MCS0)_2TX	5.00	13.39
802.11ac VHT80_Nss1,(MCS0)_2TX	0.77	9.16

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-
5180MHz	Pass	5.53	5.47		5.47	11.00	11.00	17.00
5200MHz	Pass	5.53	8.10		8.10	11.00	13.63	17.00
5240MHz	Pass	5.53	7.15		7.15	11.00	12.68	17.00
5260MHz	Pass	6.48	7.09		7.09	10.52	13.57	17.00
5300MHz	Pass	6.48	7.19		7.19	10.52	13.67	17.00
5320MHz	Pass	6.48	6.29		6.29	10.52	12.77	17.00
5500MHz	Pass	7.91	4.36		4.36	9.09	12.27	17.00
5580MHz	Pass	7.91	5.65		5.65	9.09	13.56	17.00
5700MHz	Pass	7.91	2.72		2.72	9.09	10.63	17.00
5745MHz	Pass	5.38	6.29		6.29	30.00	11.67	36.00
5785MHz	Pass	5.38	6.39		6.39	30.00	11.77	36.00
5825MHz	Pass	5.38	6.59		6.59	30.00	11.97	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.54	4.44	3.48	6.98	8.46	15.52	17.00
5200MHz	Pass	8.54	5.60	4.82	8.23	8.46	16.77	17.00
5240MHz	Pass	8.54	5.84	4.90	8.38	8.46	16.92	17.00
5260MHz	Pass	9.49	4.82	3.96	7.41	7.51	16.90	17.00
5300MHz	Pass	9.49	4.40	3.79	7.10	7.51	16.59	17.00
5320MHz	Pass	9.49	4.47	3.80	7.14	7.51	16.63	17.00
5500MHz	Pass	10.92	1.57	0.22	3.95	6.08	14.87	17.00
5580MHz	Pass	10.92	3.30	2.23	5.79	6.08	16.71	17.00
5700MHz	Pass	10.92	-3.35	-4.56	-0.91	6.08	10.01	17.00
5745MHz	Pass	8.39	5.83	6.41	9.12	27.61	17.51	36.00
5785MHz	Pass	8.39	5.91	6.40	9.13	27.61	17.52	36.00
5825MHz	Pass	8.39	5.94	6.54	9.26	27.61	17.65	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.54	-4.17	-4.65	-1.39	8.46	7.15	17.00
5230MHz	Pass	8.54	2.11	1.34	4.75	8.46	13.29	17.00
5270MHz	Pass	9.49	3.35	2.53	5.94	7.51	15.43	17.00
5310MHz	Pass	9.49	-3.10	-3.55	-0.36	7.51	9.13	17.00
5510MHz	Pass	10.92	-5.21	-6.51	-2.82	6.08	8.10	17.00
5550MHz	Pass	10.92	1.98	0.61	4.35	6.08	15.27	17.00
5670MHz	Pass	10.92	-0.92	-2.09	1.49	6.08	12.41	17.00
5755MHz	Pass	8.39	2.25	0.90	4.64	27.61	13.03	36.00
5795MHz	Pass	8.39	2.60	1.34	5.00	27.61	13.39	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.54	-6.80	-7.51	-4.20	8.46	4.34	17.00
5290MHz	Pass	9.49	-4.53	-5.17	-1.88	7.51	7.61	17.00
5530MHz	Pass	10.92	-4.50	-5.94	-2.28	6.08	8.64	17.00
5775MHz	Pass	8.39	-1.59	-2.96	0.77	27.61	9.16	36.00

DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

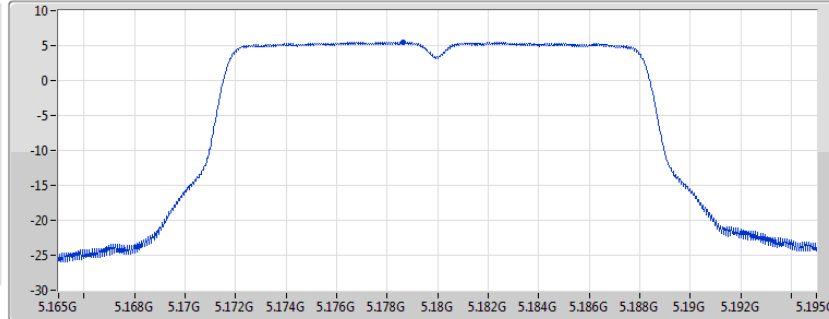
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5180MHz

21/09/2018

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.47	5.47	5.47

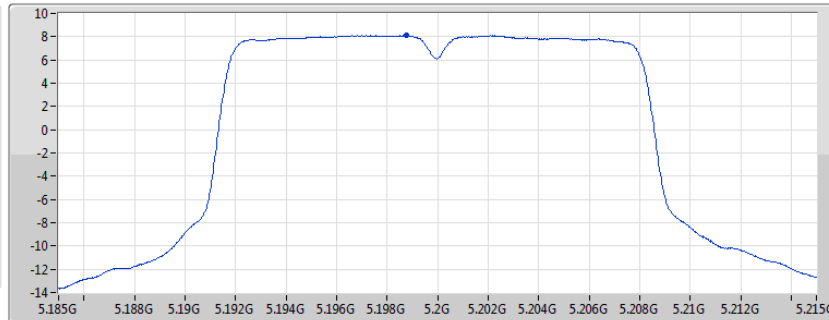
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5200MHz

21/09/2018

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.10	8.10	8.10

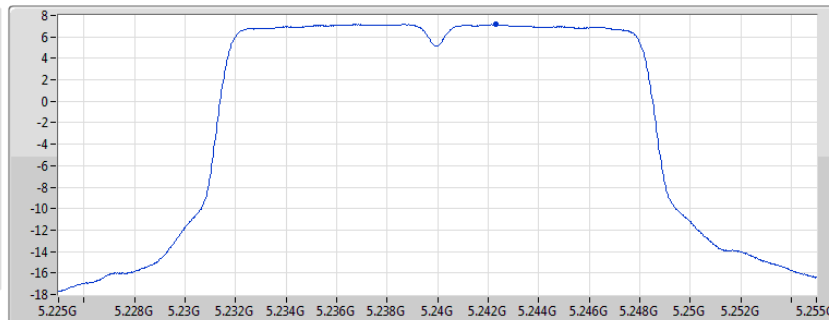
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5240MHz

21/09/2018

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.15	7.15	7.15

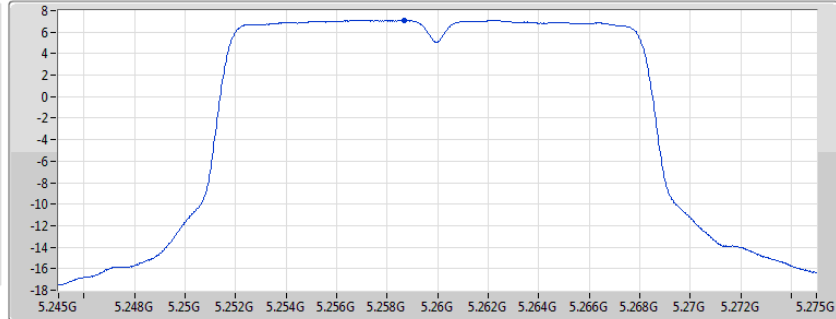
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5260MHz

21/09/2018

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.09	7.09	7.09

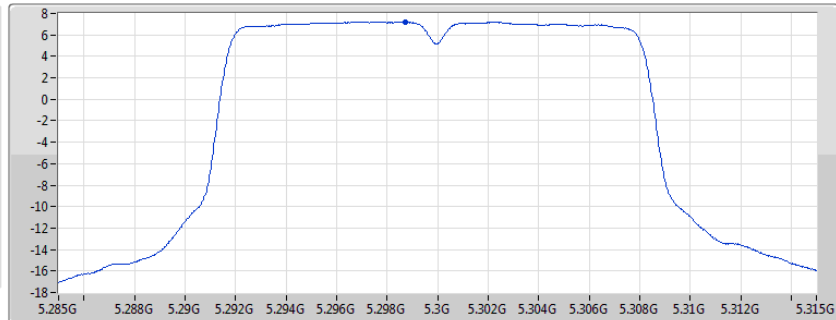
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5300MHz

21/09/2018

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.19	7.19	7.19

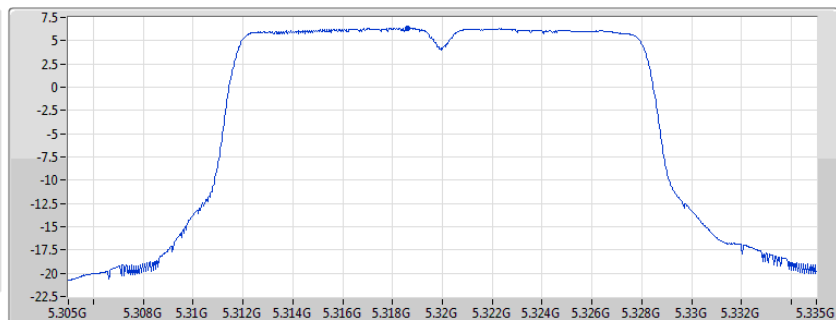
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5320MHz

21/09/2018

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.29	6.29	6.29

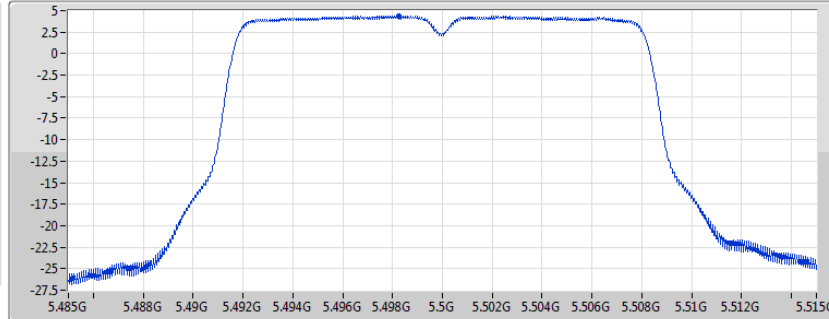
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5500MHz

21/09/2018

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.36	4.36	4.36

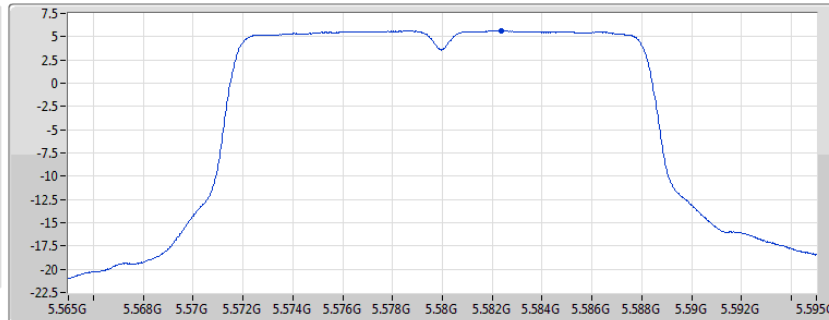
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5580MHz

21/09/2018

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.65	5.65	5.65

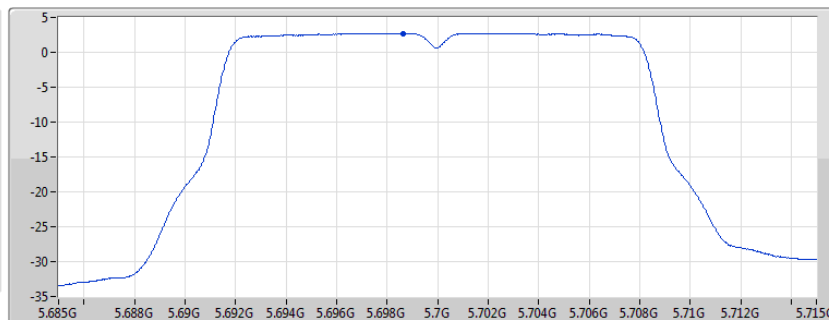
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5700MHz

21/09/2018

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.72	2.72	2.72

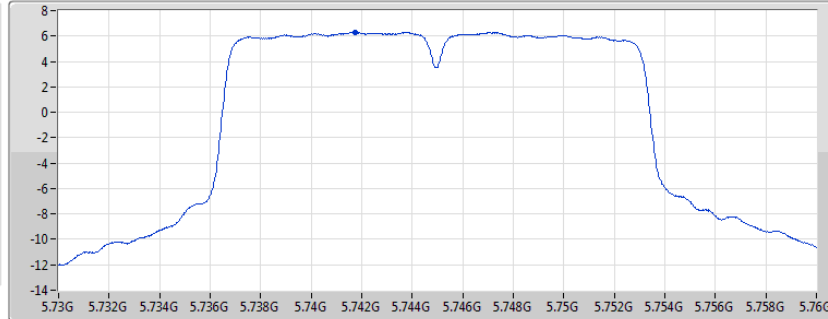
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5745MHz

21/09/2018

CF
5.745GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.29	6.29	6.29

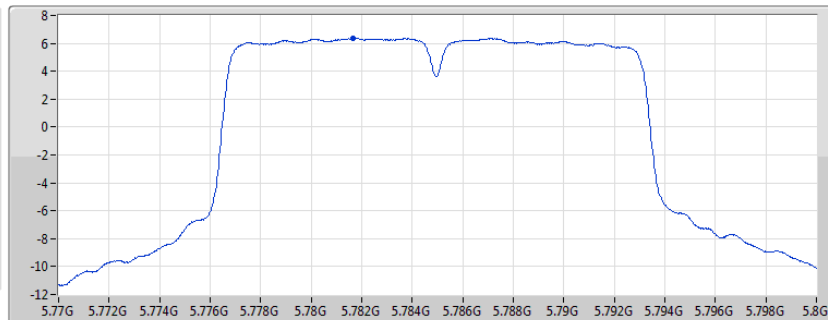
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5785MHz

21/09/2018

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.39	6.39	6.39

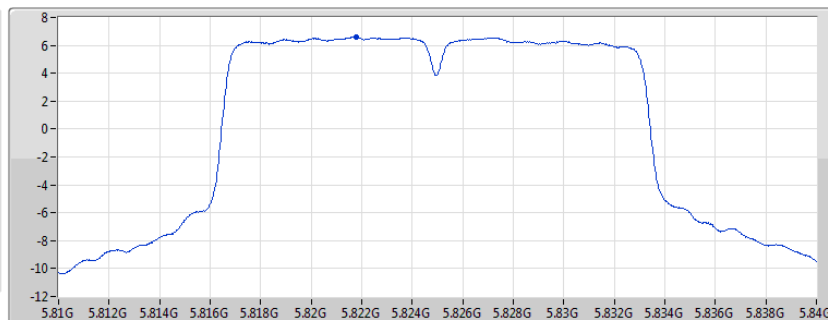
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5825MHz

21/09/2018

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

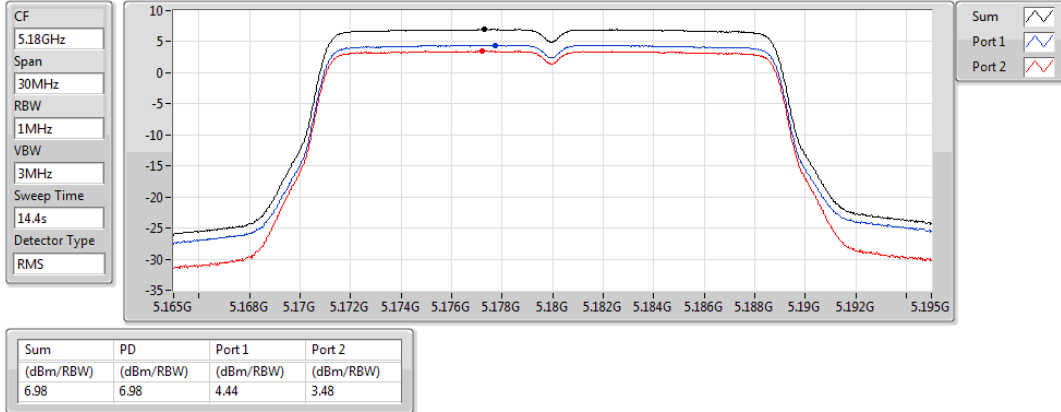
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.59	6.59	6.59

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5180MHz

21/09/2018

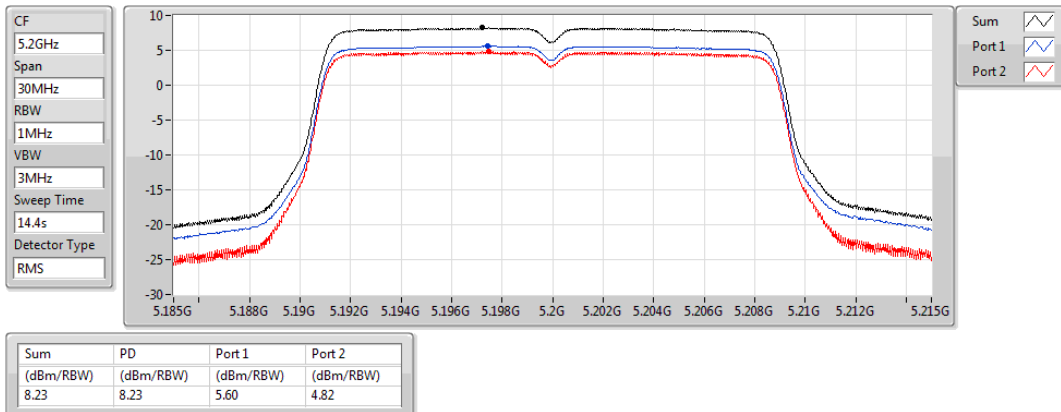


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5200MHz

21/09/2018

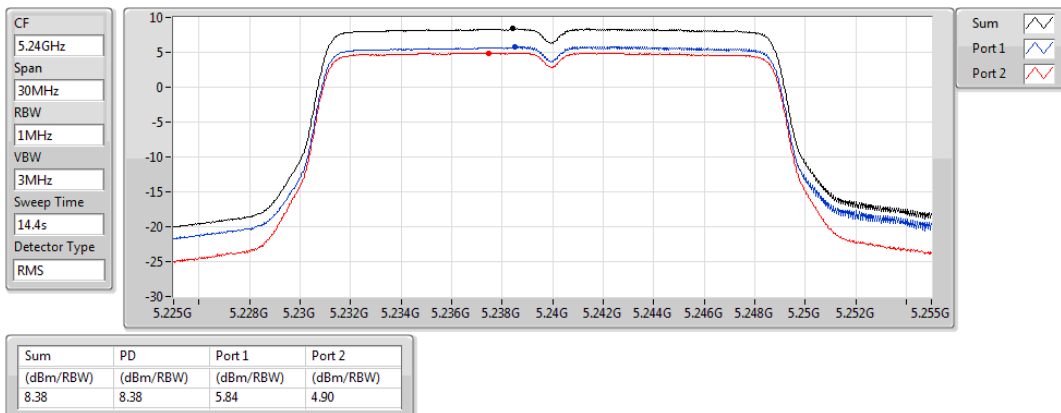


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5240MHz

21/09/2018



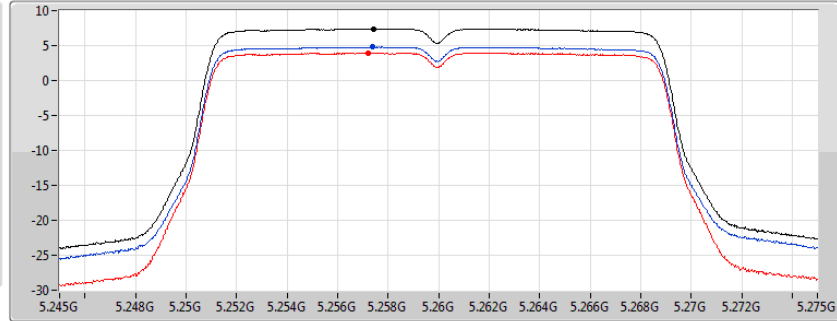
802.11n HT20_Nss1,(MCS0)_2TX

PSD

5260MHz

21/09/2018

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
14.4s
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.41	7.41	4.82	3.96

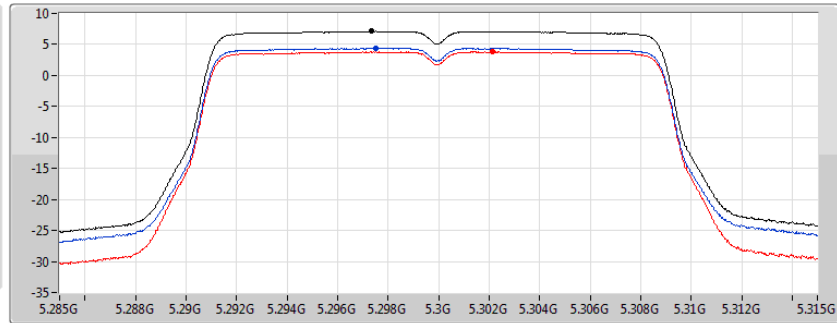
802.11n HT20_Nss1,(MCS0)_2TX

PSD

5300MHz

21/09/2018

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
14.4s
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.10	7.10	4.40	3.79

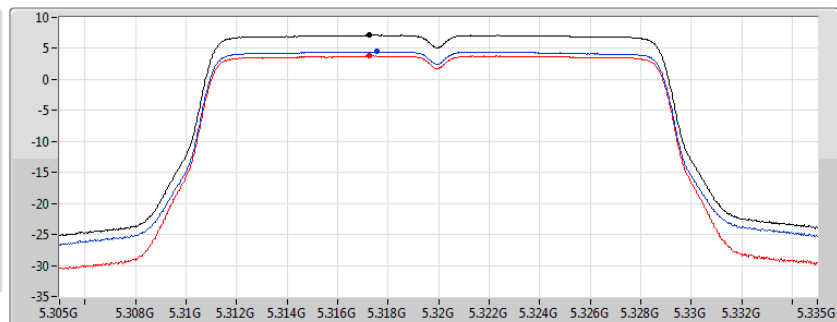
802.11n HT20_Nss1,(MCS0)_2TX

PSD

5320MHz

21/09/2018

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
14.4s
Detector Type
RMS



Sum
Port 1
Port 2

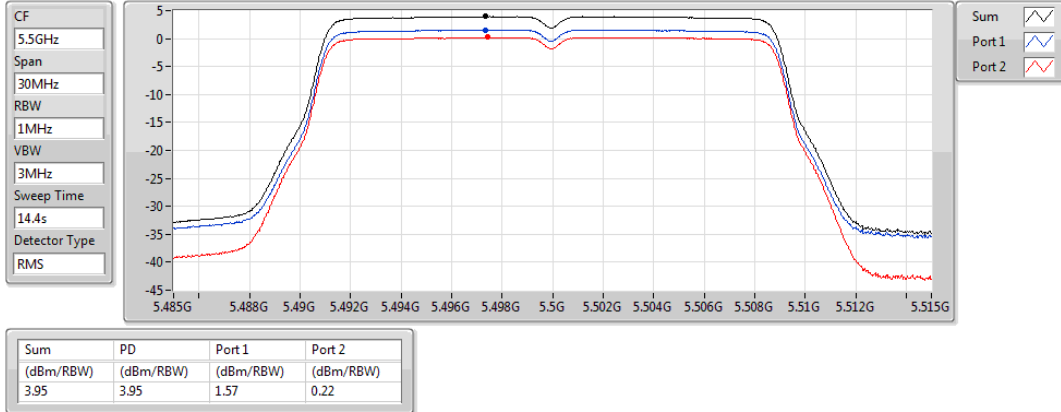
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.14	7.14	4.47	3.80

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5500MHz

21/09/2018

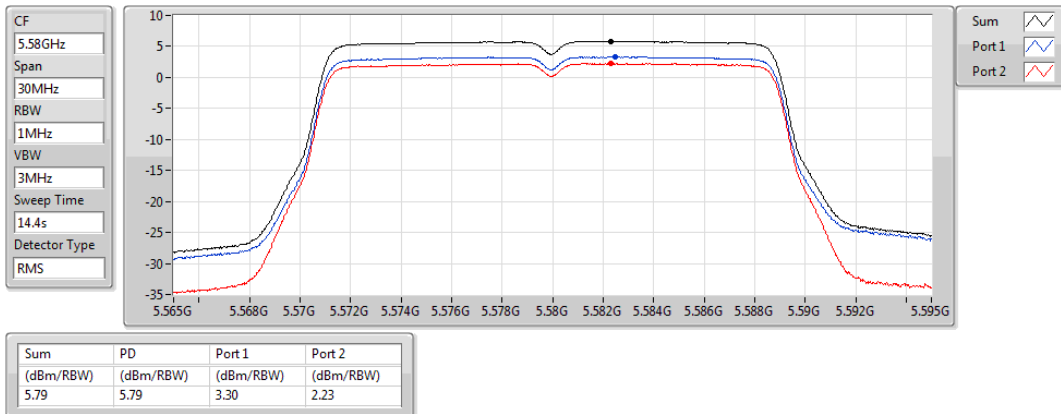


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5580MHz

21/09/2018

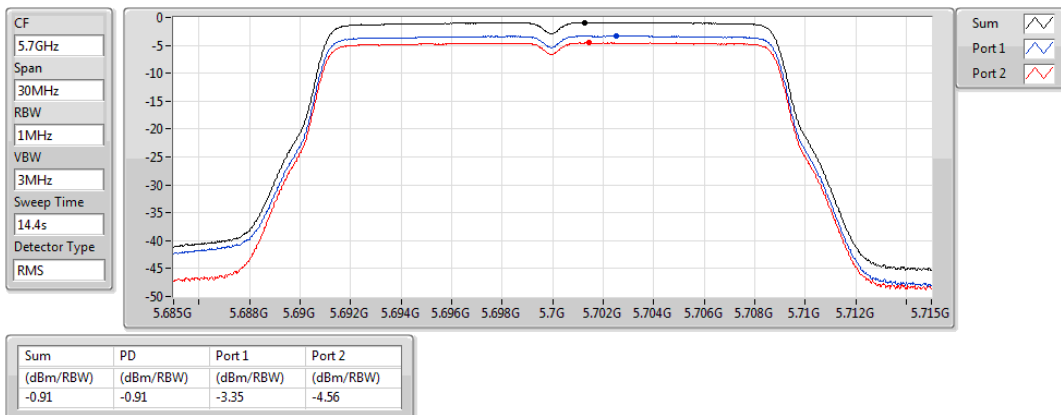


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5700MHz

21/09/2018

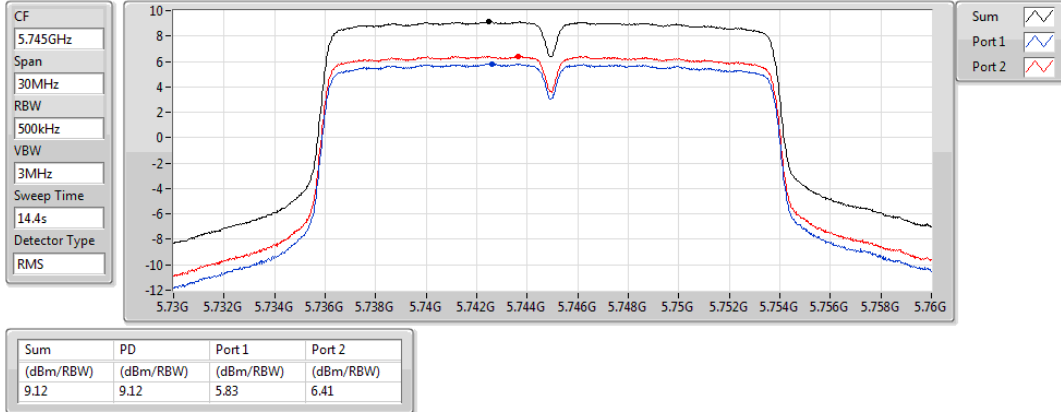


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5745MHz

21/09/2018

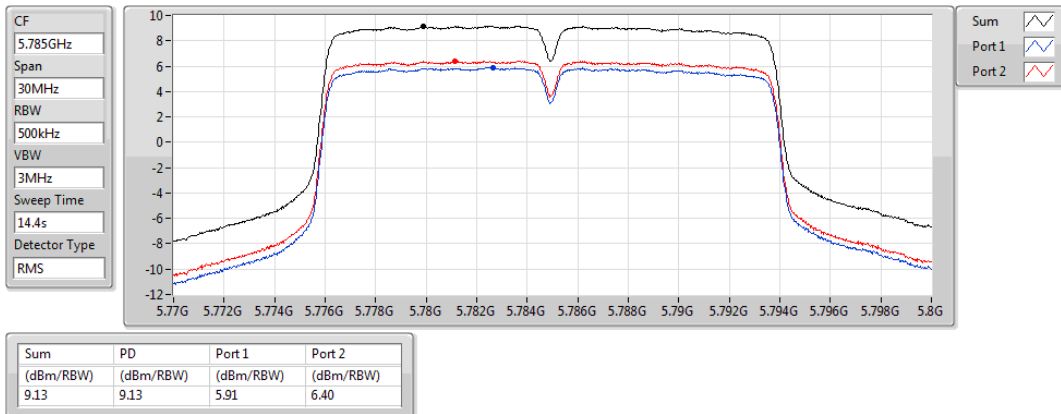


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5785MHz

21/09/2018

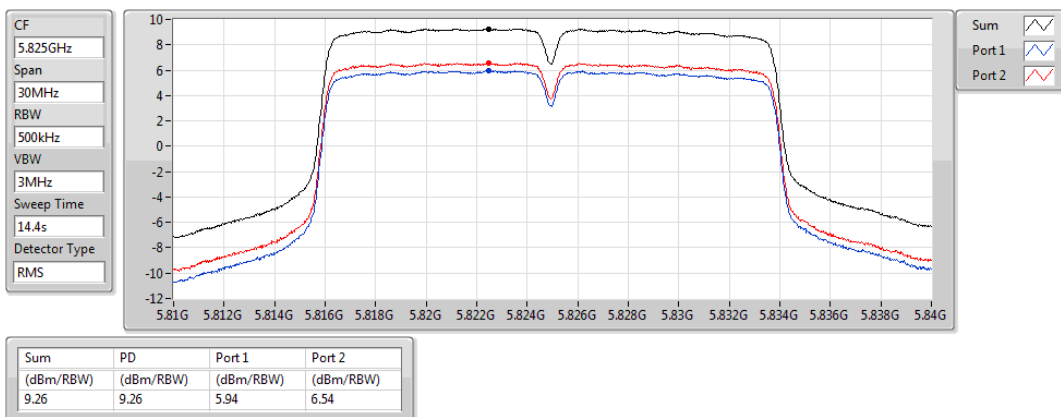


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5825MHz

21/09/2018

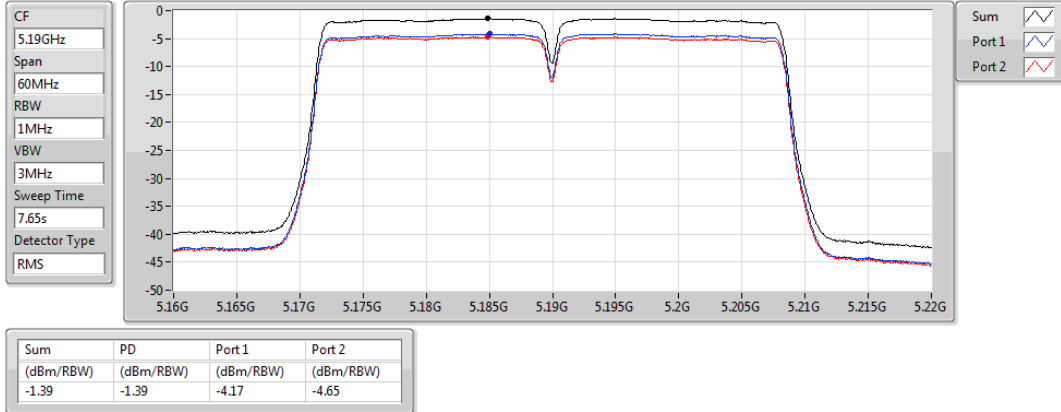


802.11n HT40_Nss1,(MCS0)_2TX

PSD

5190MHz

21/09/2018

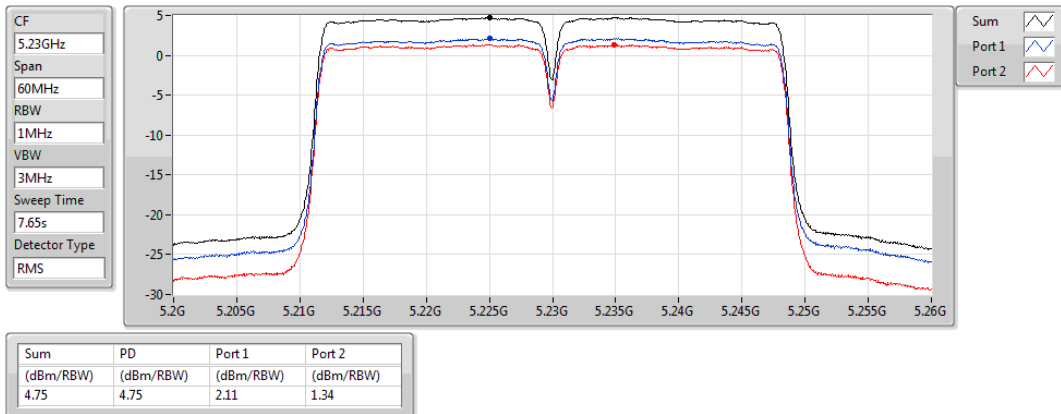


802.11n HT40_Nss1,(MCS0)_2TX

PSD

5230MHz

21/09/2018

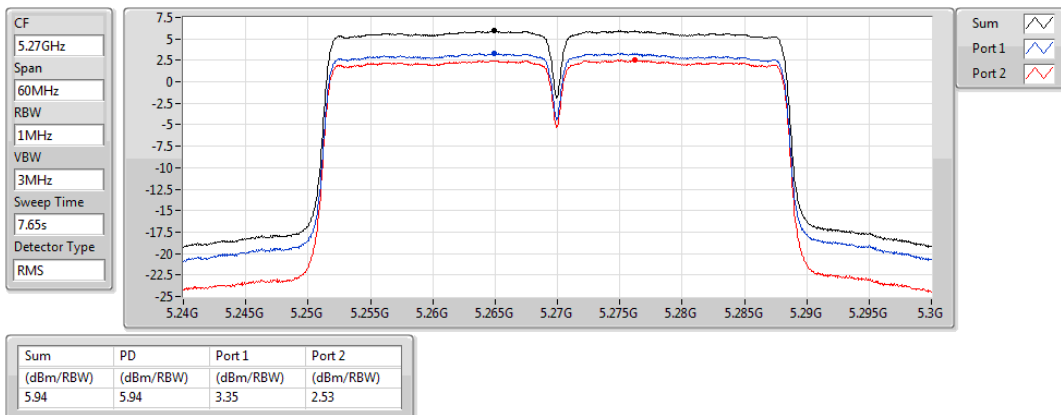


802.11n HT40_Nss1,(MCS0)_2TX

PSD

5270MHz

21/09/2018

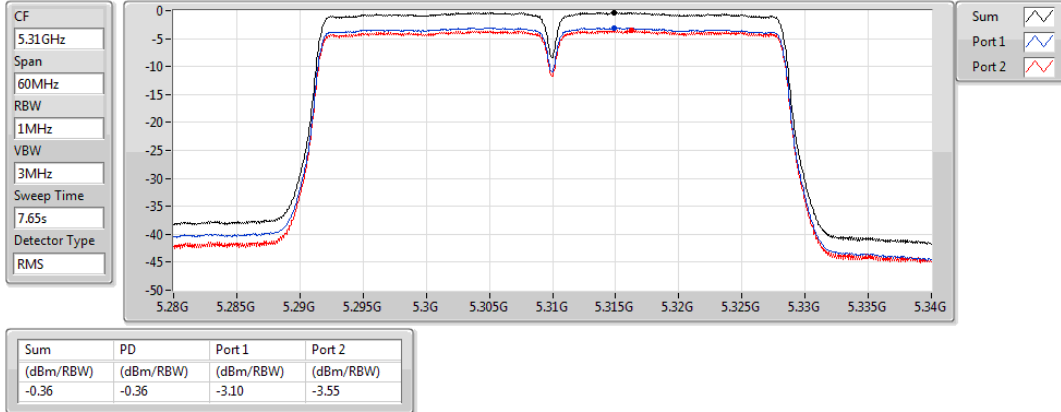


802.11n HT40_Nss1,(MCS0)_2TX

PSD

5310MHz

21/09/2018

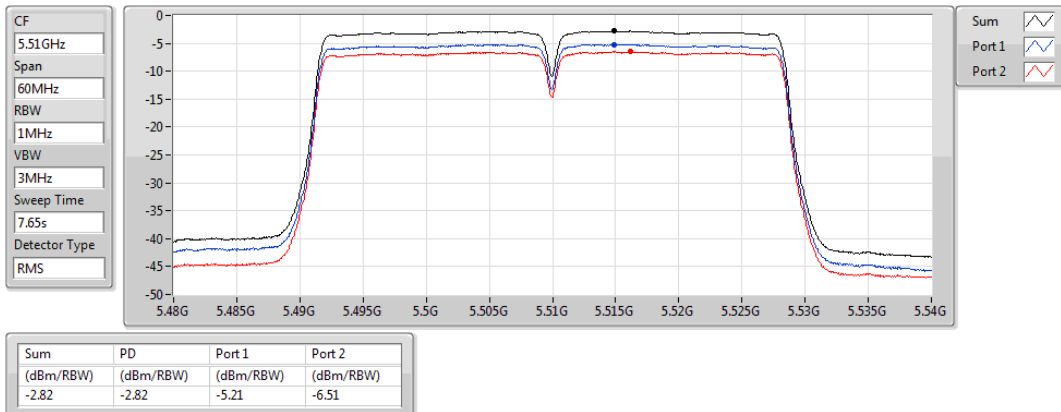


802.11n HT40_Nss1,(MCS0)_2TX

PSD

5510MHz

21/09/2018

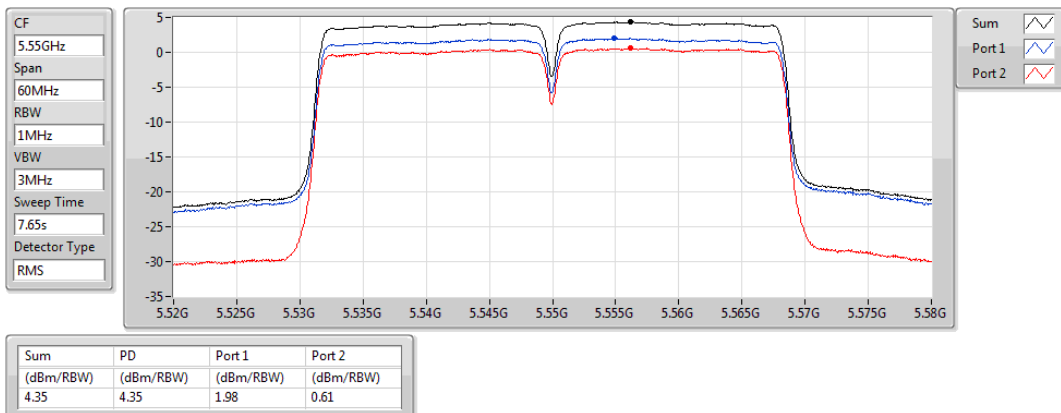


802.11n HT40_Nss1,(MCS0)_2TX

PSD

5550MHz

21/09/2018

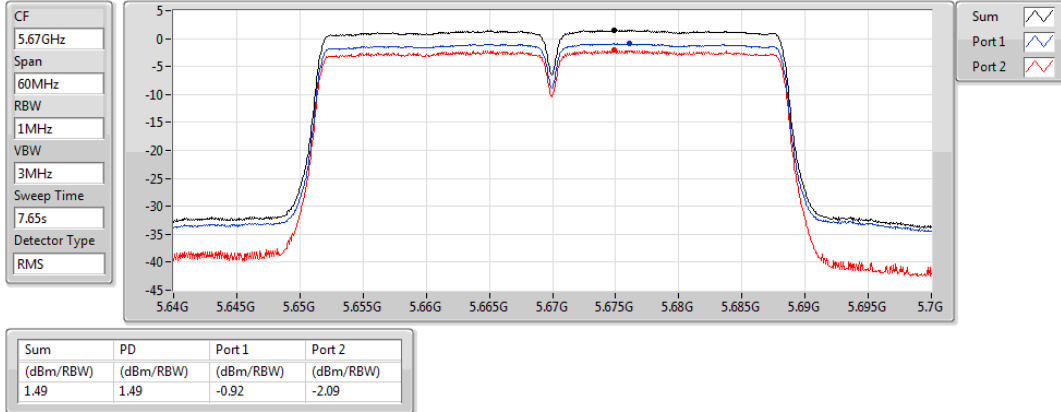


802.11n HT40_Nss1,(MCS0)_2TX

PSD

5670MHz

21/09/2018

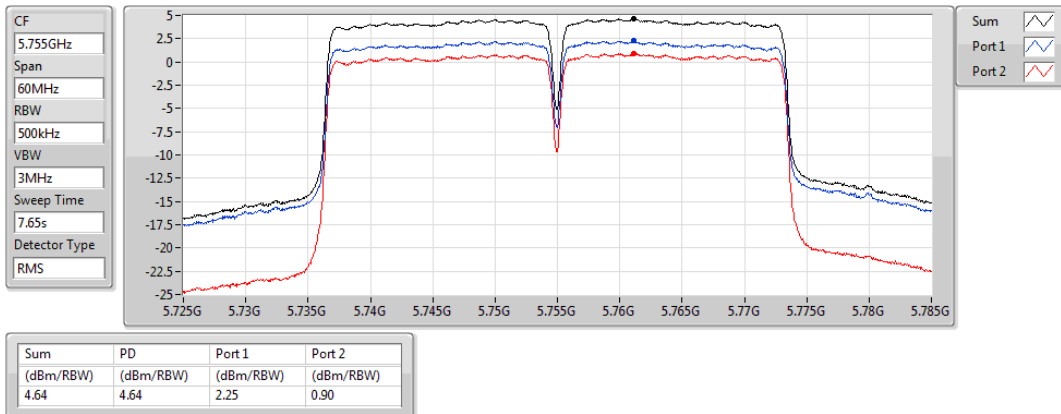


802.11n HT40_Nss1,(MCS0)_2TX

PSD

5755MHz

21/09/2018

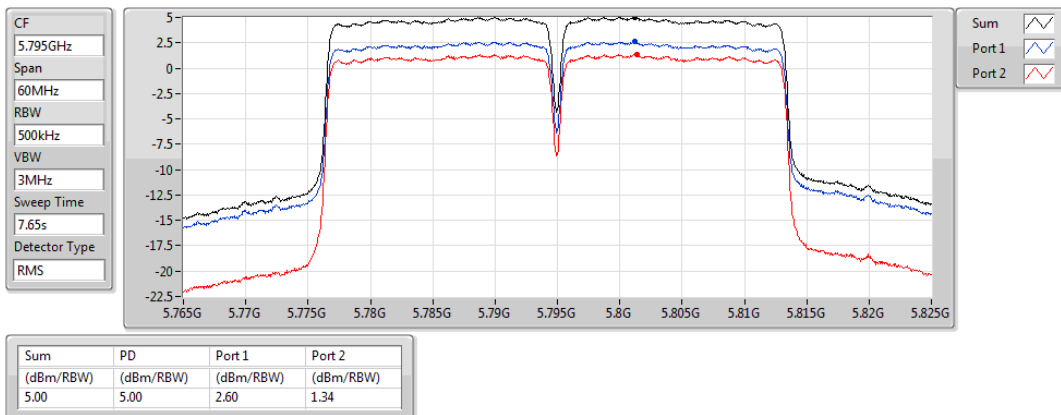


802.11n HT40_Nss1,(MCS0)_2TX

PSD

5795MHz

21/09/2018



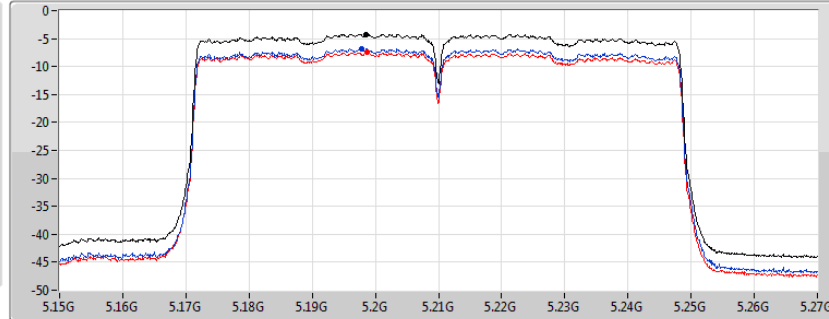
802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

21/09/2018

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
2.93s
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.20	-4.20	-6.80	-7.51

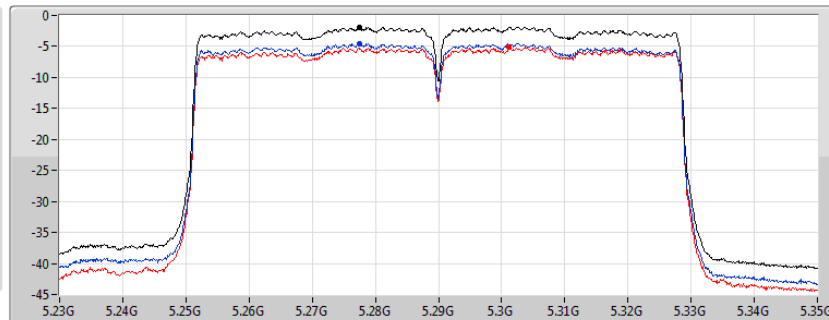
802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5290MHz

21/09/2018

CF
5.29GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
2.93s
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.88	-1.88	-4.53	-5.17

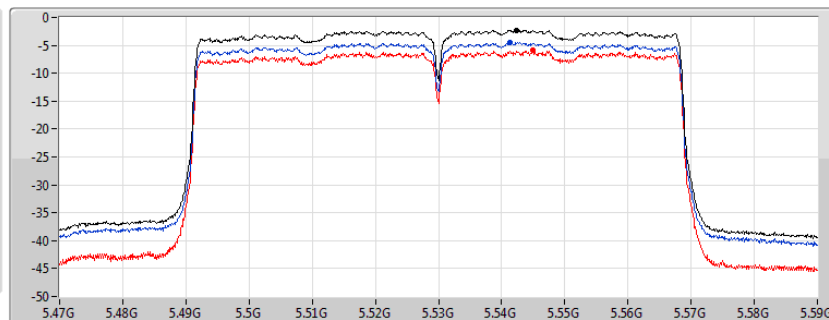
802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5530MHz

21/09/2018

CF
5.53GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
2.93s
Detector Type
RMS



Sum
Port 1
Port 2

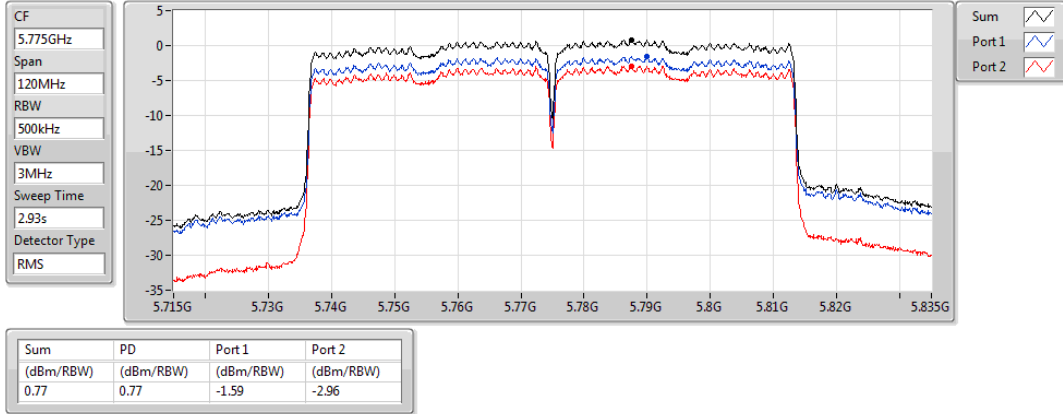
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.28	-2.28	-4.50	-5.94

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5775MHz

21/09/2018



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	7.16	10.68
802.11n HT20_Nss1,(MCS0)_2TX	8.81	15.34
802.11n HT40_Nss1,(MCS0)_2TX	4.28	10.81
802.11ac VHT80_Nss1,(MCS0)_2TX	-4.09	2.44
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	7.16	11.64
802.11n HT20_Nss1,(MCS0)_2TX	8.96	16.45
802.11n HT40_Nss1,(MCS0)_2TX	4.94	12.43
802.11ac VHT80_Nss1,(MCS0)_2TX	-4.65	2.84
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	5.66	9.41
802.11n HT20_Nss1,(MCS0)_2TX	7.61	14.37
802.11n HT40_Nss1,(MCS0)_2TX	4.34	11.10
802.11ac VHT80_Nss1,(MCS0)_2TX	-2.11	4.65
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	6.59	10.65
802.11n HT20_Nss1,(MCS0)_2TX	9.27	16.34
802.11n HT40_Nss1,(MCS0)_2TX	4.62	11.69
802.11ac VHT80_Nss1,(MCS0)_2TX	0.14	7.21

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-
5180MHz	Pass	3.52	5.00		5.00	11.00	8.52	17.00
5200MHz	Pass	3.52	6.99		6.99	11.00	10.51	17.00
5240MHz	Pass	3.52	7.16		7.16	11.00	10.68	17.00
5260MHz	Pass	4.48	7.09		7.09	11.00	11.57	17.00
5300MHz	Pass	4.48	7.16		7.16	11.00	11.64	17.00
5320MHz	Pass	4.48	5.21		5.21	11.00	9.69	17.00
5500MHz	Pass	3.75	4.38		4.38	11.00	8.13	17.00
5580MHz	Pass	3.75	5.66		5.66	11.00	9.41	17.00
5700MHz	Pass	3.75	-0.34		-0.34	11.00	3.41	17.00
5745MHz	Pass	4.06	6.30		6.30	30.00	10.36	36.00
5785MHz	Pass	4.06	6.39		6.39	30.00	10.45	36.00
5825MHz	Pass	4.06	6.59		6.59	30.00	10.65	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.53	4.04	3.19	6.63	10.47	13.16	17.00
5200MHz	Pass	6.53	6.01	5.24	8.64	10.47	15.17	17.00
5240MHz	Pass	6.53	6.12	5.46	8.81	10.47	15.34	17.00
5260MHz	Pass	7.49	6.32	5.34	8.85	9.51	16.34	17.00
5300MHz	Pass	7.49	6.40	5.48	8.96	9.51	16.45	17.00
5320MHz	Pass	7.49	3.95	3.36	6.65	9.51	14.14	17.00
5500MHz	Pass	6.76	1.99	0.65	4.36	10.24	11.12	17.00
5580MHz	Pass	6.76	5.16	3.98	7.61	10.24	14.37	17.00
5700MHz	Pass	6.76	-3.33	-4.56	-0.92	10.24	5.84	17.00
5745MHz	Pass	7.07	5.85	6.44	9.15	28.93	16.22	36.00
5785MHz	Pass	7.07	5.91	6.43	9.16	28.93	16.23	36.00
5825MHz	Pass	7.07	5.97	6.56	9.27	28.93	16.34	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.53	-5.08	-5.90	-2.49	10.47	4.04	17.00
5230MHz	Pass	6.53	1.71	0.84	4.28	10.47	10.81	17.00
5270MHz	Pass	7.49	2.35	1.55	4.94	9.51	12.43	17.00
5310MHz	Pass	7.49	-4.11	-4.85	-1.50	9.51	5.99	17.00
5510MHz	Pass	6.76	-1.64	-3.08	0.71	10.24	7.47	17.00
5550MHz	Pass	6.76	1.99	0.56	4.34	10.24	11.10	17.00
5670MHz	Pass	6.76	-1.45	-2.60	1.00	10.24	7.76	17.00
5755MHz	Pass	7.07	2.26	0.97	4.62	28.93	11.69	36.00
5795MHz	Pass	7.07	2.09	0.69	4.43	28.93	11.50	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.53	-6.72	-7.34	-4.09	10.47	2.44	17.00
5290MHz	Pass	7.49	-7.26	-7.99	-4.65	9.51	2.84	17.00
5530MHz	Pass	6.76	-4.50	-5.82	-2.11	10.24	4.65	17.00
5775MHz	Pass	7.07	-2.32	-3.39	0.14	28.93	7.21	36.00

DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

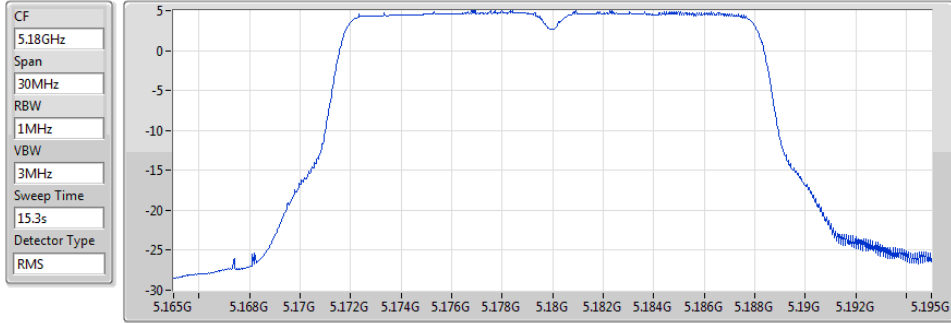
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5180MHz

21/09/2018



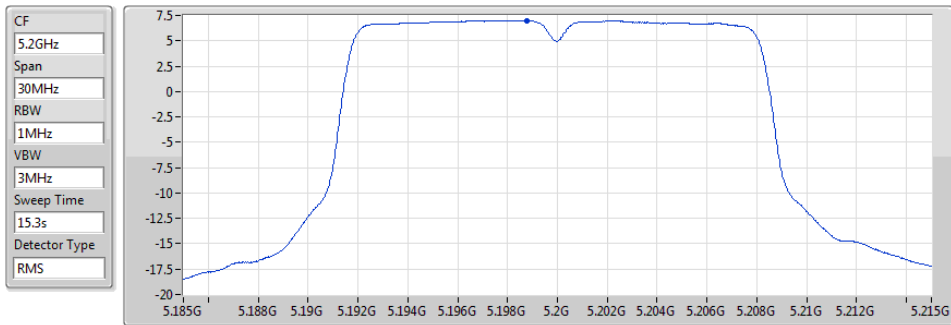
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.00	5.00	5.00

802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5200MHz

21/09/2018



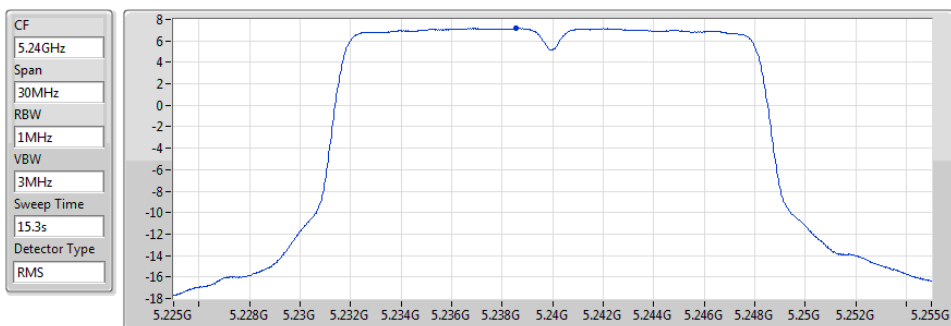
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.99	6.99	6.99

802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5240MHz

21/09/2018



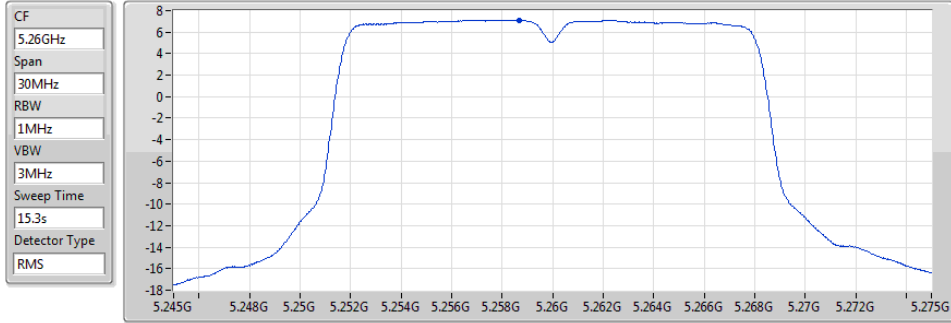
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.16	7.16	7.16

802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5260MHz

21/09/2018



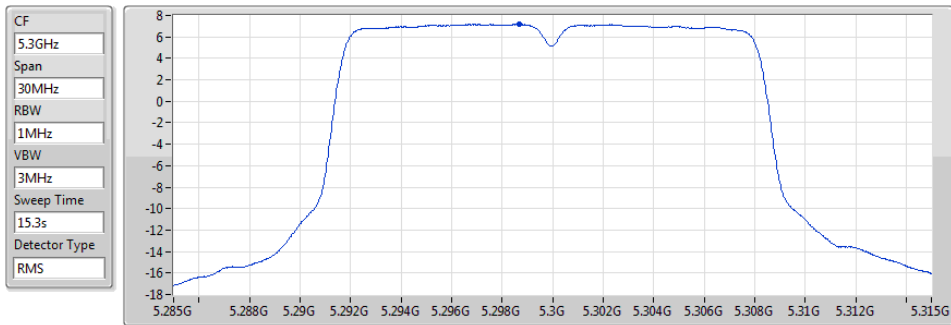
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.09	7.09	7.09

802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5300MHz

21/09/2018



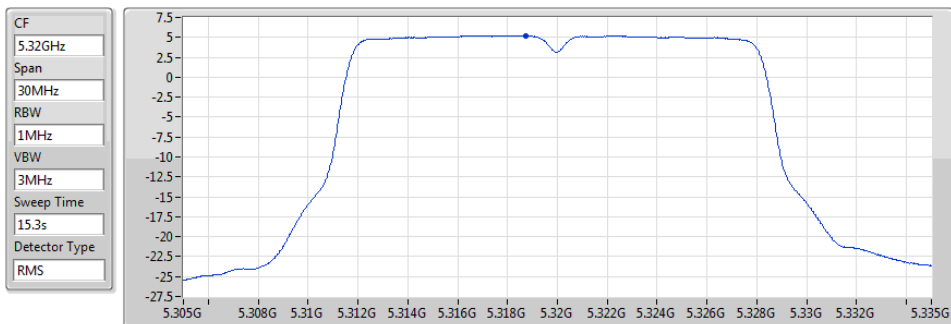
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.16	7.16	7.16

802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5320MHz

21/09/2018



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.21	5.21	5.21

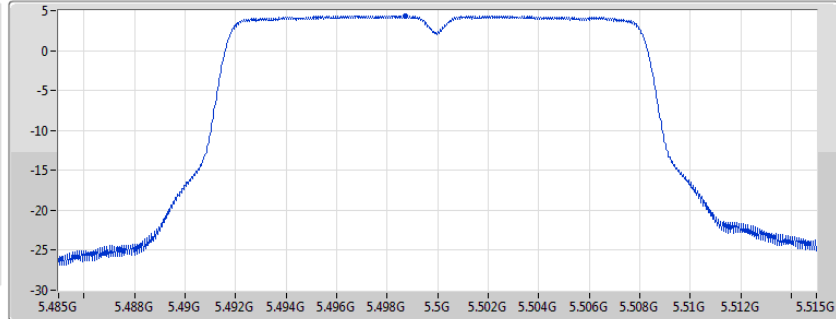
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5500MHz

21/09/2018

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.38	4.38	4.38

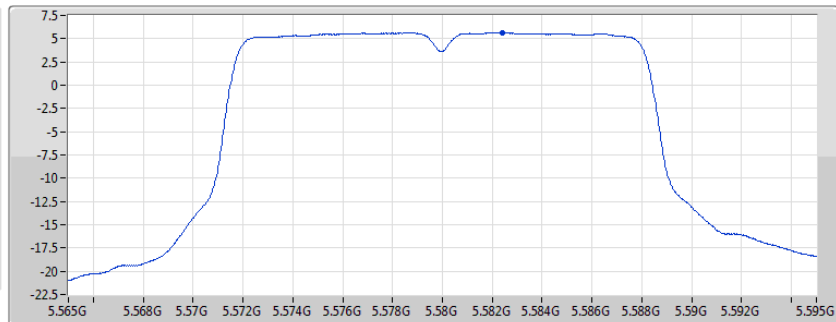
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5580MHz

21/09/2018

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.66	5.66	5.66

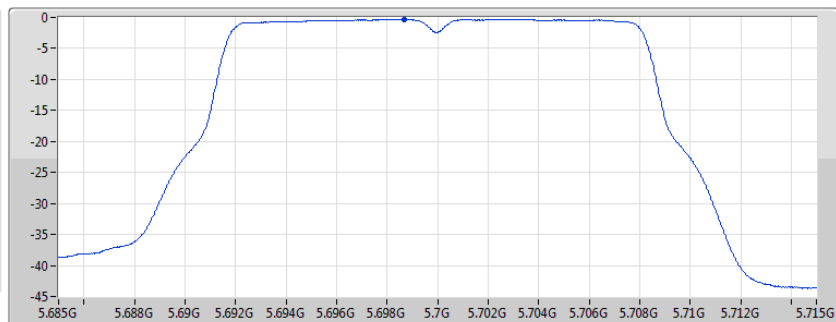
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5700MHz

21/09/2018

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.34	-0.34	-0.34

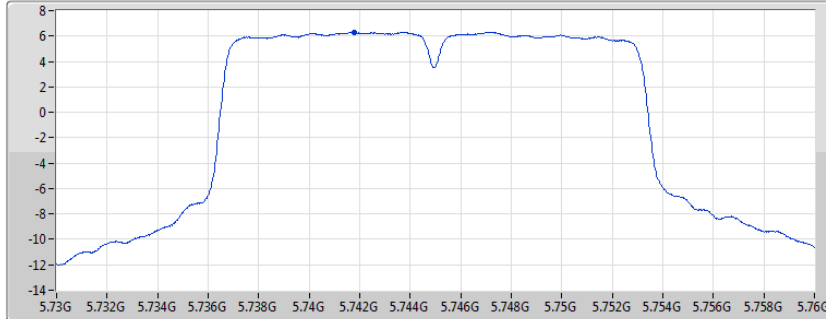
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5745MHz

21/09/2018

CF
5.745GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.30	6.30	6.30

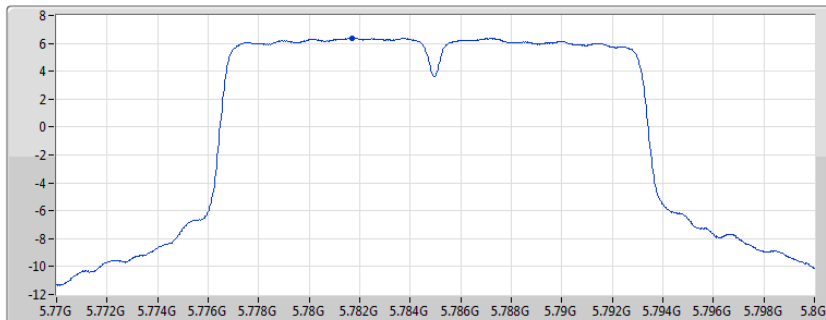
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5785MHz

21/09/2018

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.39	6.39	6.39

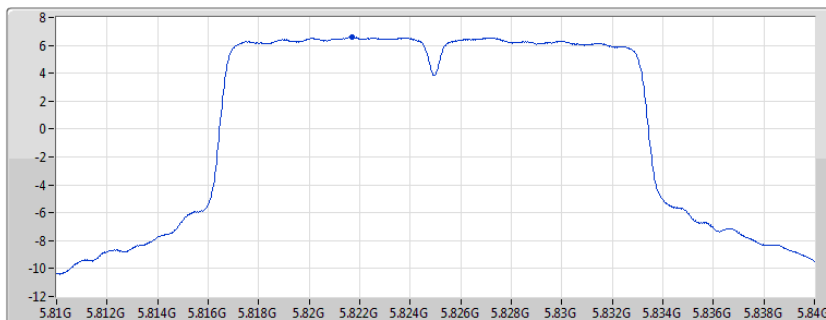
802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5825MHz

21/09/2018

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
15.3s
Detector Type
RMS



Port 1

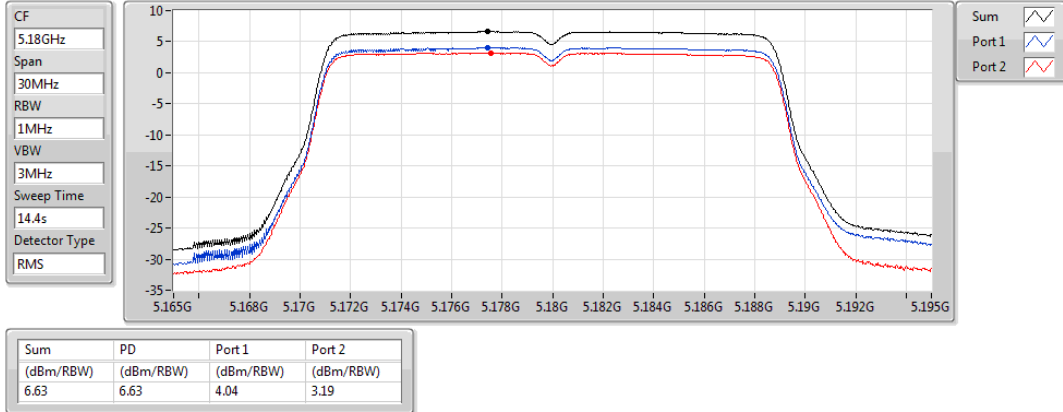
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.59	6.59	6.59

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5180MHz

21/09/2018

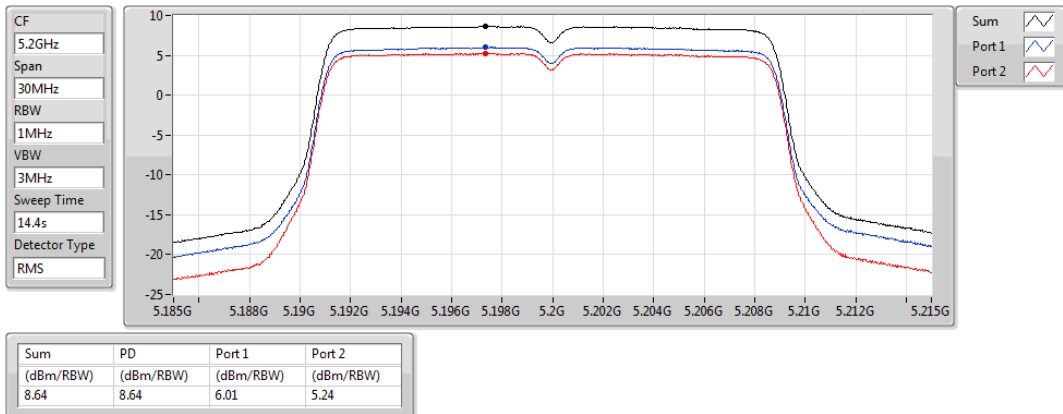


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5200MHz

21/09/2018

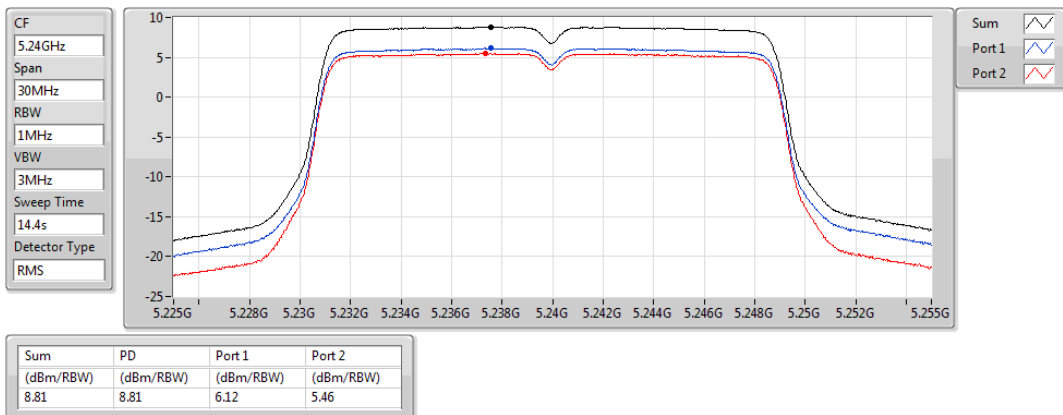


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5240MHz

21/09/2018

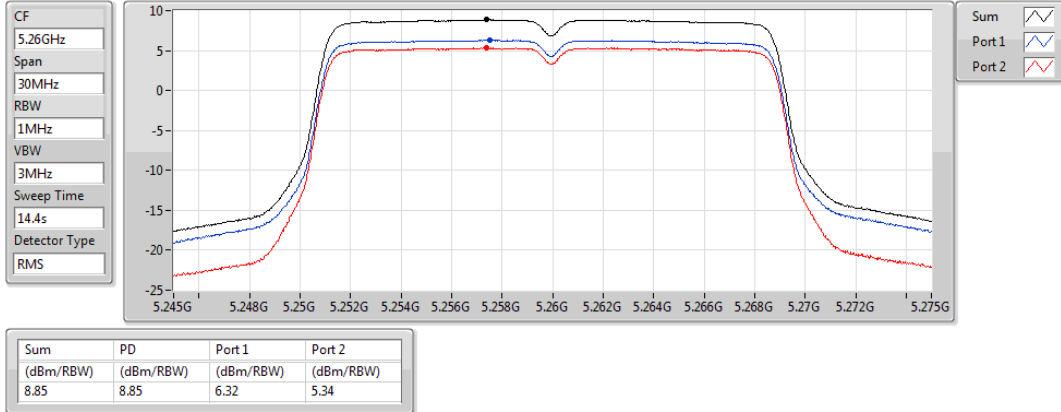


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5260MHz

21/09/2018

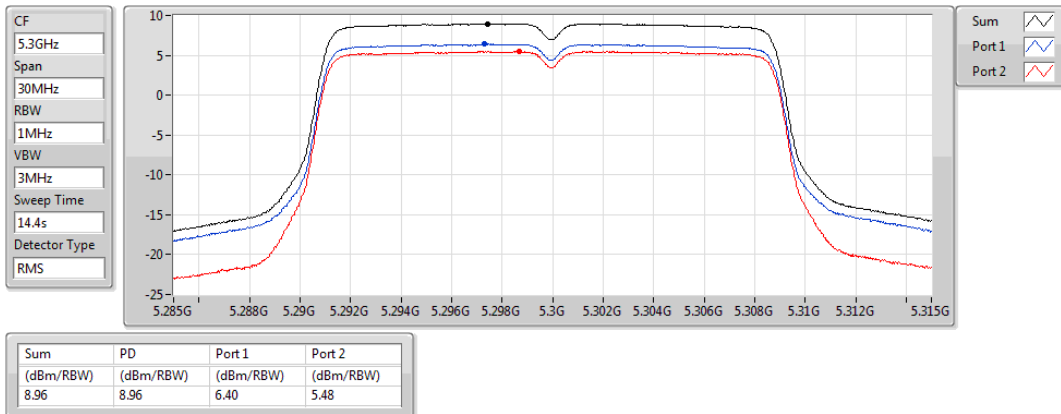


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5300MHz

21/09/2018

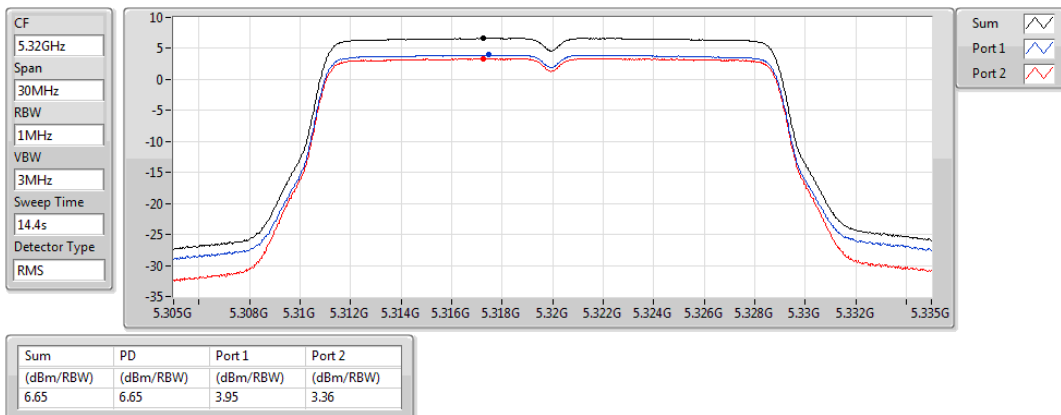


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5320MHz

21/09/2018

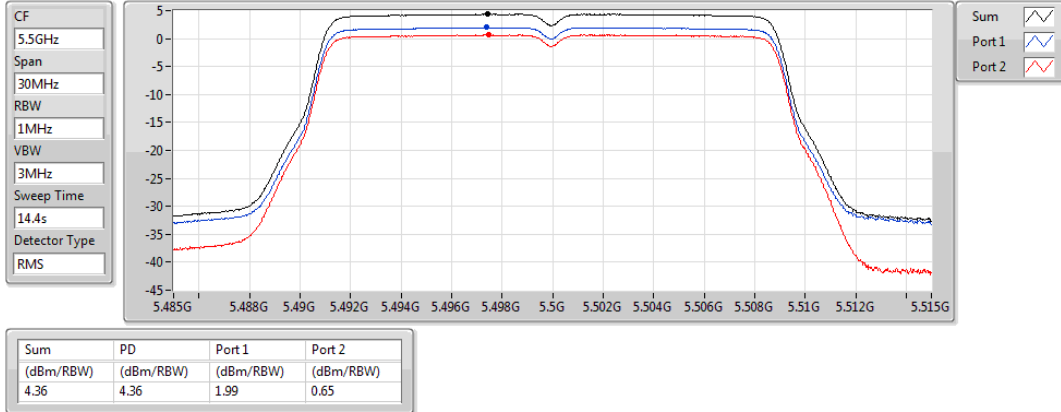


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5500MHz

21/09/2018

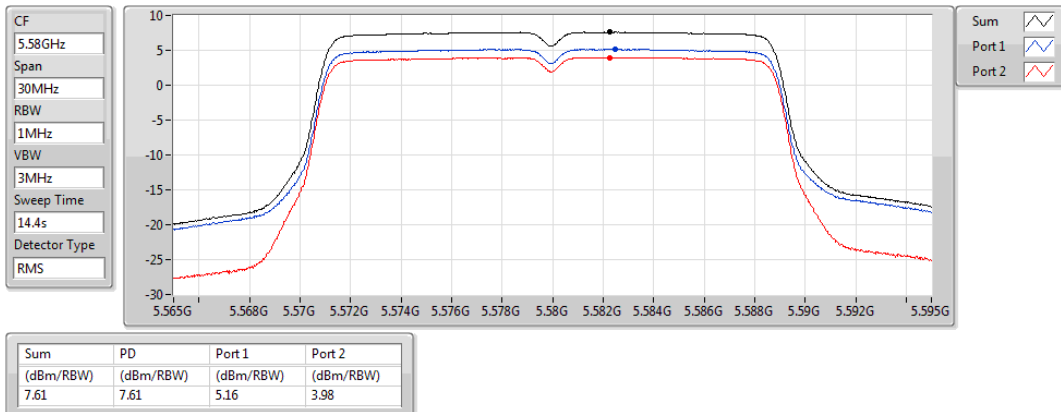


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5580MHz

21/09/2018

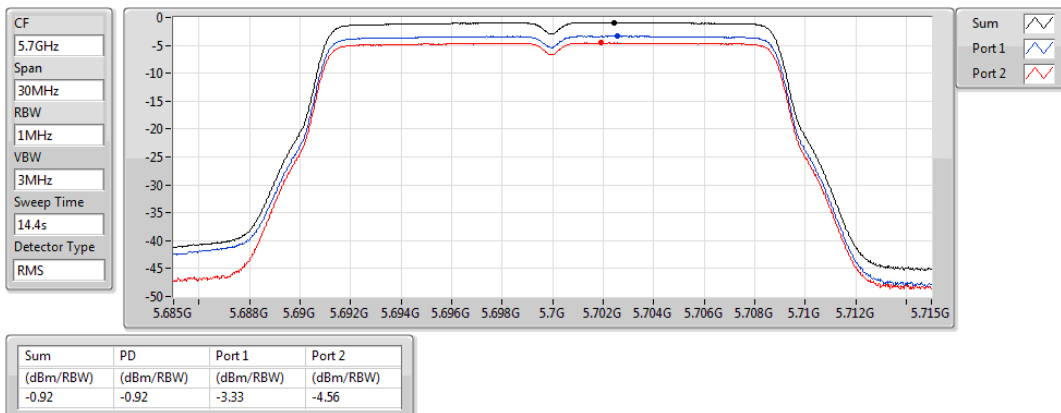


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5700MHz

21/09/2018

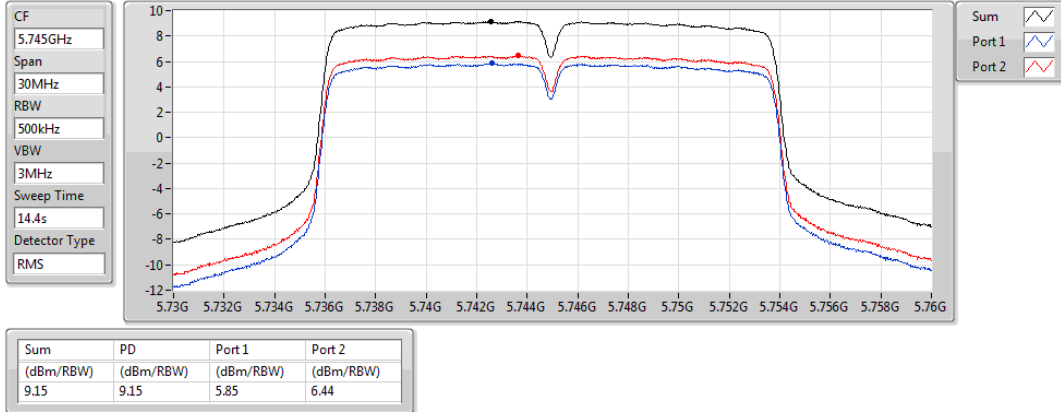


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5745MHz

21/09/2018

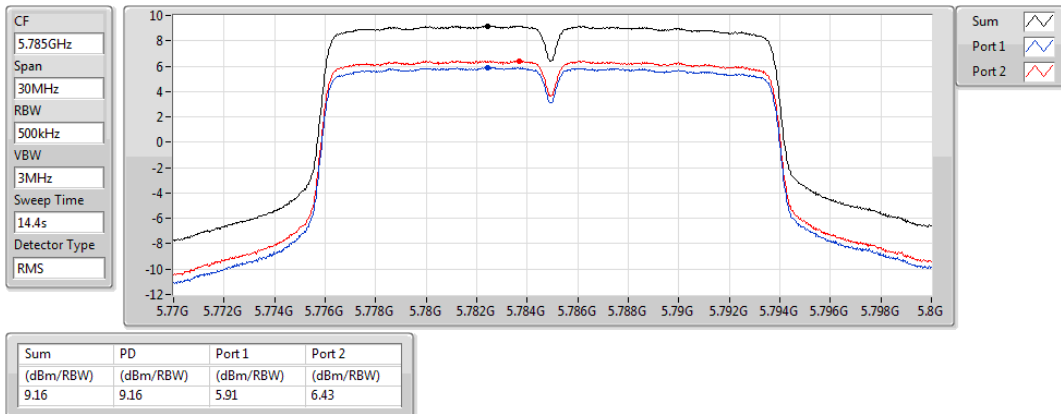


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5785MHz

21/09/2018

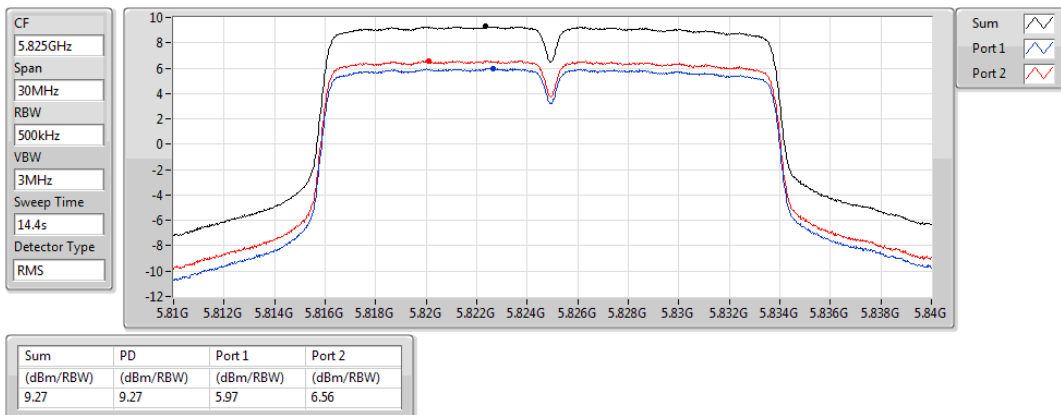


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5825MHz

21/09/2018



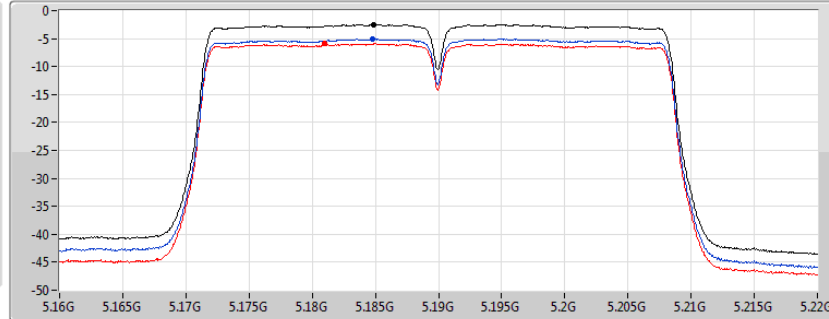
802.11n HT40_Nss1,(MCS0)_2TX

PSD

5190MHz

21/09/2018

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
7.65s
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.49	-2.49	-5.08	-5.90

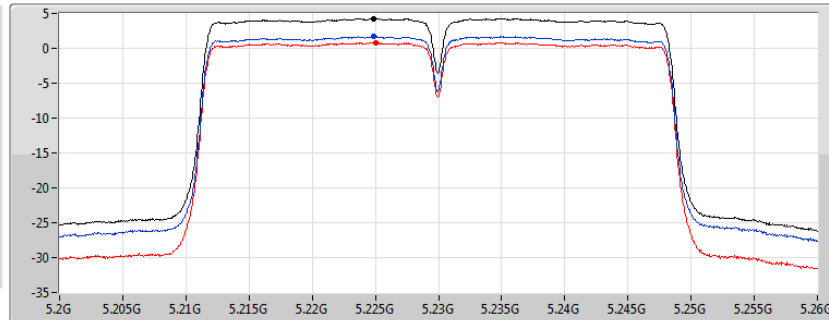
802.11n HT40_Nss1,(MCS0)_2TX

PSD

5230MHz

21/09/2018

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
7.65s
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.28	4.28	1.71	0.84

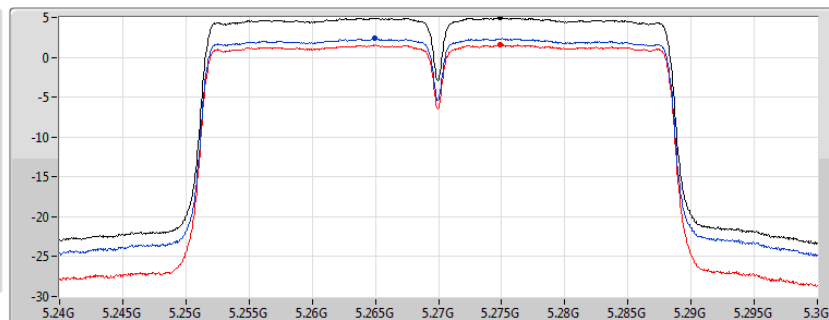
802.11n HT40_Nss1,(MCS0)_2TX

PSD

5270MHz

21/09/2018

CF
5.27GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
7.65s
Detector Type
RMS



Sum
Port 1
Port 2

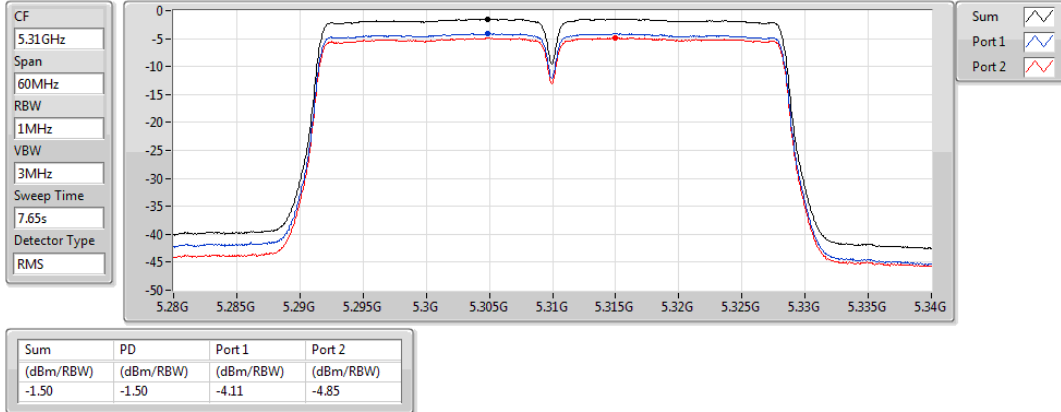
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.94	4.94	2.35	1.55

802.11n HT40_Nss1,(MCS0)_2TX

PSD

5310MHz

21/09/2018

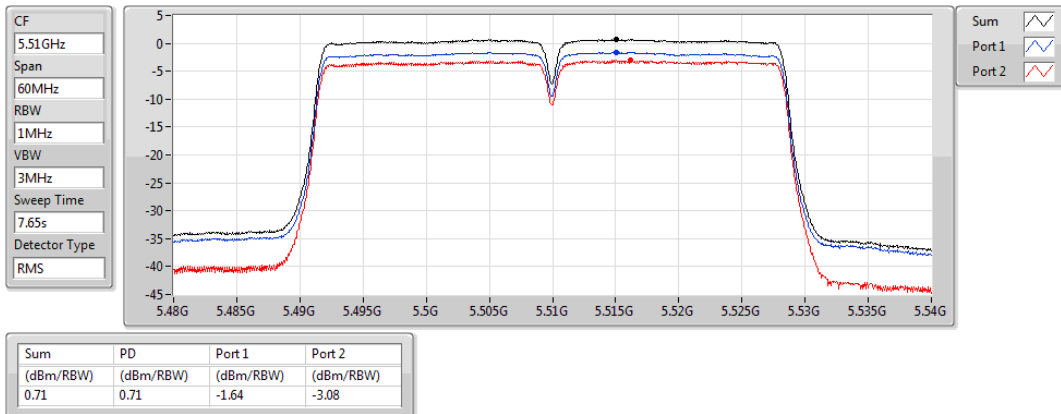


802.11n HT40_Nss1,(MCS0)_2TX

PSD

5510MHz

21/09/2018

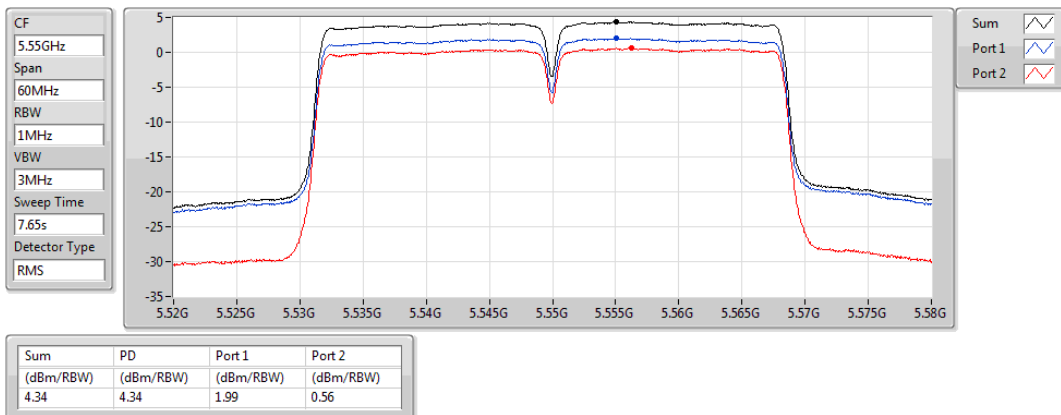


802.11n HT40_Nss1,(MCS0)_2TX

PSD

5550MHz

21/09/2018



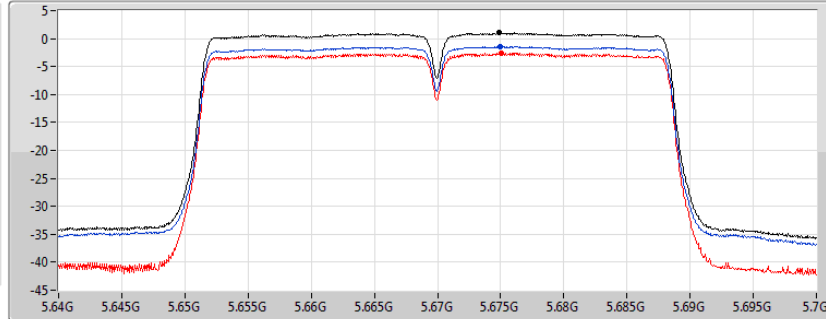
802.11n HT40_Nss1,(MCS0)_2TX

PSD

5670MHz

21/09/2018

CF
5.67GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
7.65s
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.00	1.00	-1.45	-2.60

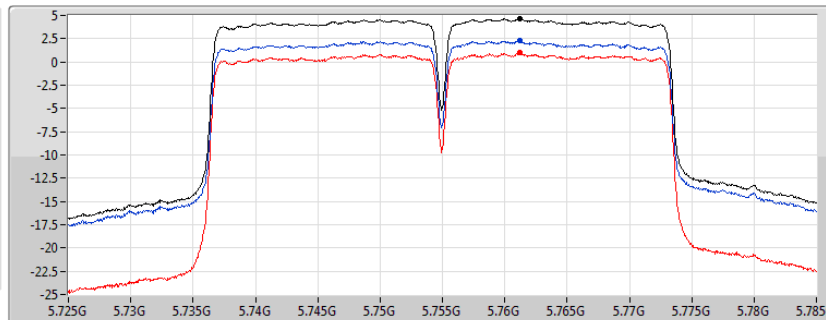
802.11n HT40_Nss1,(MCS0)_2TX

PSD

5755MHz

21/09/2018

CF
5.755GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
7.65s
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.62	4.62	2.26	0.97

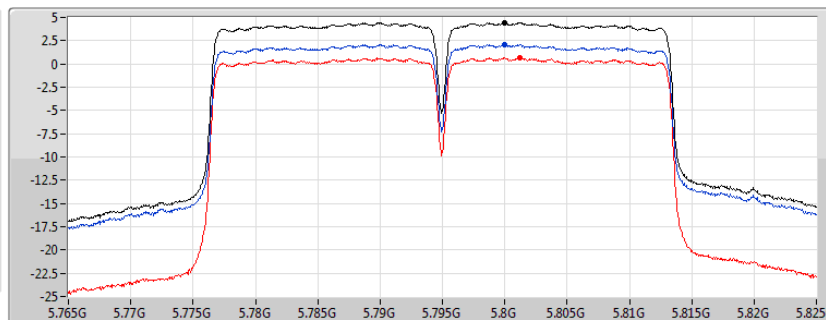
802.11n HT40_Nss1,(MCS0)_2TX

PSD

5795MHz

21/09/2018

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
7.65s
Detector Type
RMS



Sum
Port 1
Port 2

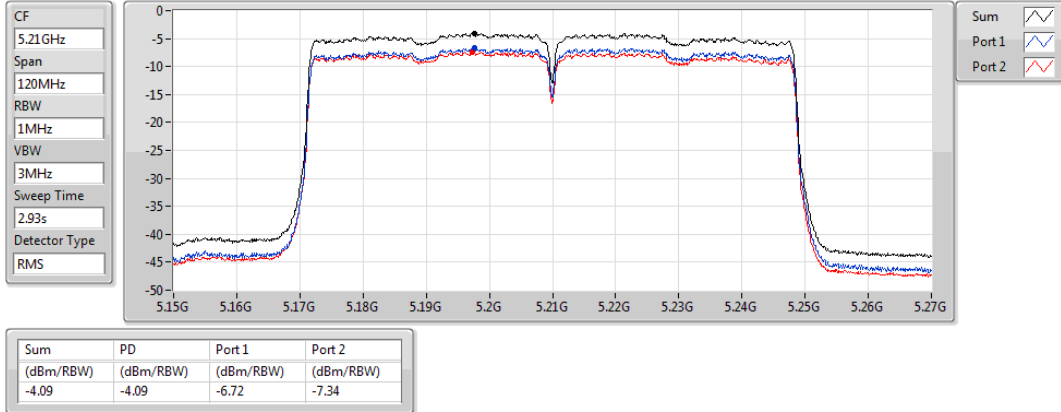
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.43	4.43	2.09	0.69

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

21/09/2018

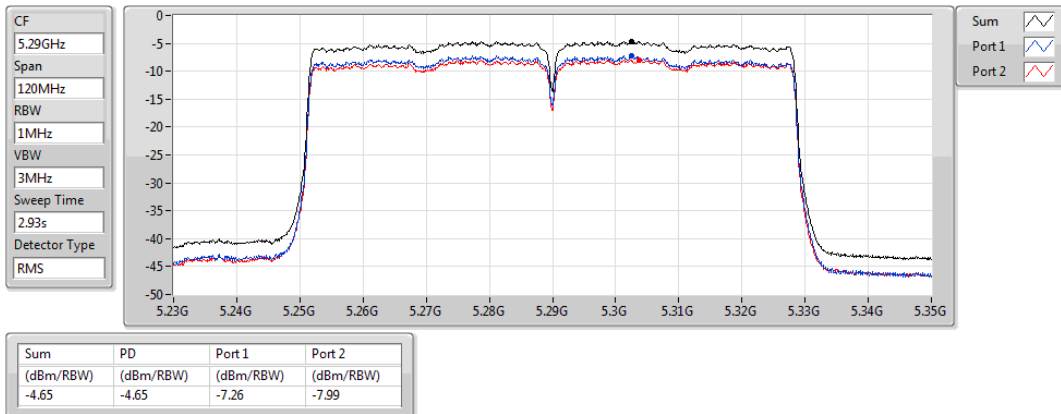


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5290MHz

21/09/2018

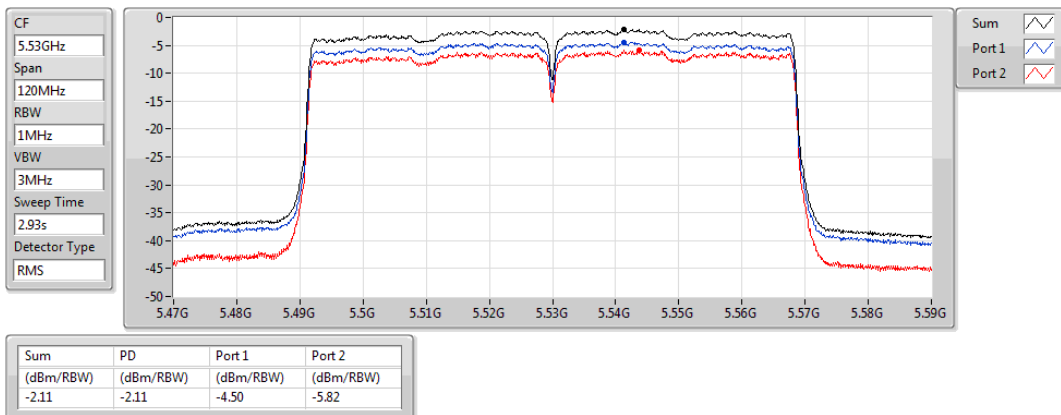


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5530MHz

21/09/2018

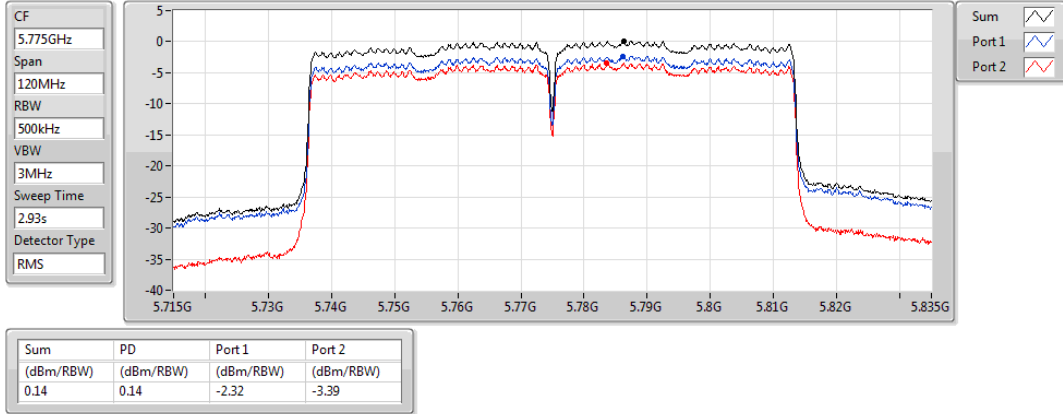


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5775MHz

21/09/2018



**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	650.8M	42.68	46.00	-3.32	-9.96	3	Horizontal	360	1.00	-

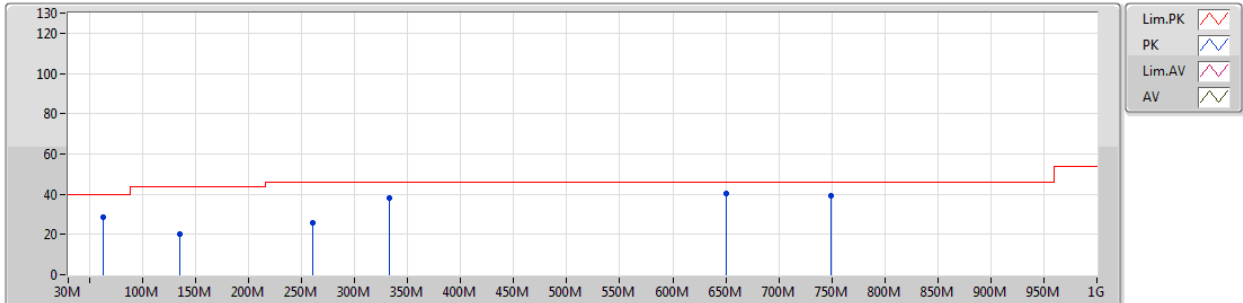
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	62.98M	28.49	40.00	-11.51	-25.58	3	Vertical	0	1.00	-
5775MHz	Pass	PK	134.76M	20.38	43.50	-23.12	-19.21	3	Vertical	0	1.00	-
5775MHz	Pass	PK	260.86M	25.66	46.00	-20.34	-15.71	3	Vertical	0	1.00	-
5775MHz	Pass	PK	332.64M	37.89	46.00	-8.11	-15.99	3	Vertical	0	1.00	-
5775MHz	Pass	PK	650.8M	40.41	46.00	-5.59	-9.96	3	Vertical	0	1.00	-
5775MHz	Pass	PK	749.74M	39.11	46.00	-6.89	-8.38	3	Vertical	0	1.00	-
5775MHz	Pass	PK	66.86M	29.74	40.00	-10.26	-25.38	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	192.96M	26.56	43.50	-16.94	-21.29	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	260.86M	29.85	46.00	-16.15	-15.71	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	332.64M	42.28	46.00	-3.72	-15.99	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	650.8M	42.68	46.00	-3.32	-9.96	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	749.74M	40.09	46.00	-5.91	-8.38	3	Horizontal	360	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

20/09/2018

5775MHz_Switching Power Supply

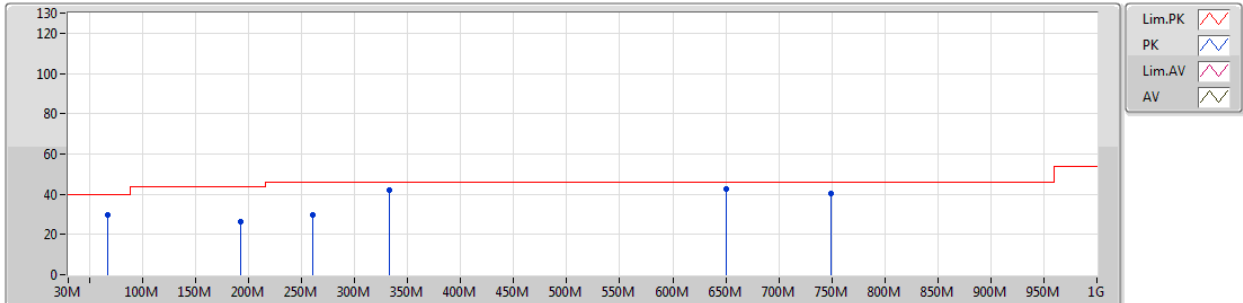


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	62.98M	28.49	40.00	-11.51	-25.58	3	Vertical	0	1.00	-
PK	134.76M	20.38	43.50	-23.12	-19.21	3	Vertical	0	1.00	-
PK	260.86M	25.66	46.00	-20.34	-15.71	3	Vertical	0	1.00	-
PK	332.64M	37.89	46.00	-8.11	-15.99	3	Vertical	0	1.00	-
PK	650.8M	40.41	46.00	-5.59	-9.96	3	Vertical	0	1.00	-
PK	749.74M	39.11	46.00	-6.89	-8.38	3	Vertical	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

20/09/2018

5775MHz_Switching Power Supply



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	66.86M	29.74	40.00	-10.26	-25.38	3	Horizontal	360	1.00	-
PK	192.96M	26.56	43.50	-16.94	-21.29	3	Horizontal	360	1.00	-
PK	260.86M	29.85	46.00	-16.15	-15.71	3	Horizontal	360	1.00	-
PK	332.64M	42.28	46.00	-3.72	-15.99	3	Horizontal	360	1.00	-
PK	650.8M	42.68	46.00	-3.32	-9.96	3	Horizontal	360	1.00	-
PK	749.74M	40.09	46.00	-5.91	-8.38	3	Horizontal	360	1.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	Pass	AV	5.15G	53.16	54.00	-0.84	2.74	3	Horizontal	136	2.34	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	5.1486G	53.85	54.00	-0.15	2.74	3	Horizontal	129	2.33	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	5.148G	52.57	54.00	-1.43	2.74	3	Horizontal	147	2.28	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.147G	53.08	54.00	-0.92	2.74	3	Horizontal	144	2.23	-
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	Pass	AV	5.35G	53.79	54.00	-0.21	2.97	3	Horizontal	161	2.14	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	5.35G	52.79	54.00	-1.21	2.97	3	Horizontal	153	2.29	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	5.3504G	53.18	54.00	-0.82	2.97	3	Horizontal	140	2.95	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.35G	53.95	54.00	-0.05	2.97	3	Horizontal	139	2.30	-
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	Pass	PK	5.4672G	67.82	68.20	-0.38	3.11	3	Horizontal	160	1.94	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	PK	5.4678G	67.22	68.20	-0.98	3.11	3	Horizontal	175	2.18	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	PK	5.7288G	68.13	68.20	-0.07	3.59	3	Horizontal	160	2.04	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.467G	67.74	68.20	-0.46	3.11	3	Horizontal	164	2.10	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	Pass	PK	5.933G	57.16	68.20	-11.04	4.00	3	Horizontal	172	1.01	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	17.47166G	50.41	54.00	-3.59	18.52	3	Horizontal	204	2.23	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	PK	5.9234G	68.10	69.38	-1.28	3.98	3	Horizontal	150	2.20	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.6502G	66.77	68.35	-1.58	3.44	3	Horizontal	152	2.10	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	45.18	54.00	-8.82	2.74	3	Vertical	216	1.29	-
5180MHz	Pass	AV	5.1772G	90.01	Inf	-Inf	2.77	3	Vertical	216	1.29	-
5180MHz	Pass	PK	5.1466G	61.51	74.00	-12.49	2.74	3	Vertical	216	1.29	-
5180MHz	Pass	PK	5.1782G	99.35	Inf	-Inf	2.77	3	Vertical	216	1.29	-
5180MHz	Pass	AV	5.15G	53.16	54.00	-0.84	2.74	3	Horizontal	136	2.34	-
5180MHz	Pass	AV	5.1772G	100.12	Inf	-Inf	2.77	3	Horizontal	136	2.34	-
5180MHz	Pass	PK	5.1464G	71.45	74.00	-2.55	2.74	3	Horizontal	136	2.34	-
5180MHz	Pass	PK	5.1782G	109.53	Inf	-Inf	2.77	3	Horizontal	136	2.34	-
5180MHz	Pass	AV	10.35526G	40.69	54.00	-13.31	12.63	3	Vertical	222	1.87	-
5180MHz	Pass	PK	10.35644G	53.50	74.00	-20.50	12.63	3	Vertical	222	1.87	-
5180MHz	Pass	AV	10.3618G	41.07	54.00	-12.93	12.64	3	Horizontal	305	1.03	-
5180MHz	Pass	PK	10.3576G	53.47	74.00	-20.53	12.63	3	Horizontal	305	1.03	-
5200MHz	Pass	AV	5.15G	45.10	54.00	-8.90	2.74	3	Vertical	214	1.27	-
5200MHz	Pass	AV	5.2024G	93.38	Inf	-Inf	2.80	3	Vertical	214	1.27	-
5200MHz	Pass	PK	5.1496G	57.98	74.00	-16.02	2.74	3	Vertical	214	1.27	-
5200MHz	Pass	PK	5.2036G	102.58	Inf	-Inf	2.80	3	Vertical	214	1.27	-
5200MHz	Pass	AV	5.15G	51.02	54.00	-2.98	2.74	3	Horizontal	141	1.96	-
5200MHz	Pass	AV	5.1976G	100.71	Inf	-Inf	2.80	3	Horizontal	141	1.96	-
5200MHz	Pass	PK	5.15G	65.68	74.00	-8.32	2.74	3	Horizontal	141	1.96	-
5200MHz	Pass	PK	5.1984G	109.93	Inf	-Inf	2.80	3	Horizontal	141	1.96	-
5200MHz	Pass	AV	10.40252G	40.85	54.00	-13.15	12.73	3	Vertical	85	2.21	-
5200MHz	Pass	PK	10.39956G	53.71	74.00	-20.29	12.73	3	Vertical	85	2.21	-
5200MHz	Pass	AV	10.40182G	40.94	54.00	-13.06	12.73	3	Horizontal	301	1.32	-
5200MHz	Pass	PK	10.4048G	53.47	74.00	-20.53	12.74	3	Horizontal	301	1.32	-
5240MHz	Pass	AV	5.1092G	43.17	54.00	-10.83	2.70	3	Vertical	214	1.24	-
5240MHz	Pass	AV	5.2334G	90.30	Inf	-Inf	2.83	3	Vertical	214	1.24	-
5240MHz	Pass	AV	5.381G	42.40	54.00	-11.60	3.01	3	Vertical	214	1.24	-
5240MHz	Pass	PK	5.1164G	55.63	74.00	-18.37	2.70	3	Vertical	214	1.24	-
5240MHz	Pass	PK	5.2382G	99.22	Inf	-Inf	2.84	3	Vertical	214	1.24	-
5240MHz	Pass	PK	5.3678G	54.51	74.00	-19.49	2.99	3	Vertical	214	1.24	-
5240MHz	Pass	AV	5.1278G	43.49	54.00	-10.51	2.72	3	Horizontal	148	1.93	-
5240MHz	Pass	AV	5.2424G	99.87	Inf	-Inf	2.85	3	Horizontal	148	1.93	-
5240MHz	Pass	AV	5.3516G	42.90	54.00	-11.10	2.97	3	Horizontal	148	1.93	-
5240MHz	Pass	PK	5.1236G	56.57	74.00	-17.43	2.71	3	Horizontal	148	1.93	-
5240MHz	Pass	PK	5.2466G	110.16	Inf	-Inf	2.85	3	Horizontal	148	1.93	-
5240MHz	Pass	PK	5.3708G	55.42	74.00	-18.58	2.99	3	Horizontal	148	1.93	-
5240MHz	Pass	AV	10.47734G	41.11	54.00	-12.89	12.90	3	Vertical	31	2.08	-
5240MHz	Pass	PK	10.47988G	53.58	74.00	-20.42	12.90	3	Vertical	31	2.08	-
5240MHz	Pass	AV	10.47676G	41.16	54.00	-12.84	12.90	3	Horizontal	138	2.11	-
5240MHz	Pass	PK	10.48032G	54.01	74.00	-19.99	12.90	3	Horizontal	138	2.11	-
5260MHz	Pass	AV	5.119G	42.97	54.00	-11.03	2.70	3	Vertical	215	1.49	-
5260MHz	Pass	AV	5.2594G	91.79	Inf	-Inf	2.87	3	Vertical	215	1.49	-
5260MHz	Pass	AV	5.41G	42.37	54.00	-11.63	3.05	3	Vertical	215	1.49	-
5260MHz	Pass	PK	5.149G	54.85	74.00	-19.15	2.74	3	Vertical	215	1.49	-
5260MHz	Pass	PK	5.2582G	101.06	Inf	-Inf	2.86	3	Vertical	215	1.49	-
5260MHz	Pass	PK	5.386G	54.97	74.00	-19.03	3.01	3	Vertical	215	1.49	-
5260MHz	Pass	AV	5.1124G	43.19	54.00	-10.81	2.70	3	Horizontal	161	2.17	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	AV	5.2642G	101.61	Inf	-Inf	2.87	3	Horizontal	161	2.17	-
5260MHz	Pass	AV	5.3506G	43.60	54.00	-10.40	2.97	3	Horizontal	161	2.17	-
5260MHz	Pass	PK	5.1262G	55.25	74.00	-18.75	2.72	3	Horizontal	161	2.17	-
5260MHz	Pass	PK	5.2672G	110.95	Inf	-Inf	2.88	3	Horizontal	161	2.17	-
5260MHz	Pass	PK	5.3524G	56.75	74.00	-17.25	2.97	3	Horizontal	161	2.17	-
5260MHz	Pass	AV	10.51982G	41.13	54.00	-12.87	12.98	3	Vertical	59	2.30	-
5260MHz	Pass	PK	10.5228G	53.98	74.00	-20.02	12.98	3	Vertical	59	2.30	-
5260MHz	Pass	AV	10.52052G	41.09	54.00	-12.91	12.98	3	Horizontal	154	2.14	-
5260MHz	Pass	PK	10.51744G	54.35	74.00	-19.65	12.97	3	Horizontal	154	2.14	-
5300MHz	Pass	AV	5.2936G	91.79	Inf	-Inf	2.91	3	Vertical	207	1.21	-
5300MHz	Pass	AV	5.352G	43.32	54.00	-10.68	2.97	3	Vertical	207	1.21	-
5300MHz	Pass	PK	5.298G	100.56	Inf	-Inf	2.91	3	Vertical	207	1.21	-
5300MHz	Pass	PK	5.352G	57.33	74.00	-16.67	2.97	3	Vertical	207	1.21	-
5300MHz	Pass	AV	5.2972G	102.40	Inf	-Inf	2.91	3	Horizontal	160	2.16	-
5300MHz	Pass	AV	5.35G	50.48	54.00	-3.52	2.97	3	Horizontal	160	2.16	-
5300MHz	Pass	PK	5.2984G	111.67	Inf	-Inf	2.91	3	Horizontal	160	2.16	-
5300MHz	Pass	PK	5.3528G	65.50	74.00	-8.50	2.97	3	Horizontal	160	2.16	-
5300MHz	Pass	AV	10.59858G	41.13	54.00	-12.87	13.15	3	Vertical	293	2.46	-
5300MHz	Pass	PK	10.59756G	54.72	74.00	-19.28	13.15	3	Vertical	293	2.46	-
5300MHz	Pass	AV	10.5951G	41.22	54.00	-12.78	13.14	3	Horizontal	297	1.91	-
5300MHz	Pass	PK	10.59532G	54.01	74.00	-19.99	13.14	3	Horizontal	297	1.91	-
5320MHz	Pass	AV	5.3256G	89.87	Inf	-Inf	2.95	3	Vertical	206	1.48	-
5320MHz	Pass	AV	5.35G	45.39	54.00	-8.61	2.97	3	Vertical	206	1.48	-
5320MHz	Pass	PK	5.3268G	100.31	Inf	-Inf	2.95	3	Vertical	206	1.48	-
5320MHz	Pass	PK	5.35G	59.47	74.00	-14.53	2.97	3	Vertical	206	1.48	-
5320MHz	Pass	AV	5.3192G	101.09	Inf	-Inf	2.93	3	Horizontal	161	2.14	-
5320MHz	Pass	AV	5.35G	53.79	54.00	-0.21	2.97	3	Horizontal	161	2.14	-
5320MHz	Pass	PK	5.3266G	110.77	Inf	-Inf	2.95	3	Horizontal	161	2.14	-
5320MHz	Pass	PK	5.35G	70.68	74.00	-3.32	2.97	3	Horizontal	161	2.14	-
5320MHz	Pass	AV	10.63686G	40.97	54.00	-13.03	13.24	3	Vertical	36	1.86	-
5320MHz	Pass	PK	10.63976G	53.71	74.00	-20.29	13.25	3	Vertical	36	1.86	-
5320MHz	Pass	AV	10.63682G	40.80	54.00	-13.20	13.24	3	Horizontal	27	2.22	-
5320MHz	Pass	PK	10.6424G	53.51	74.00	-20.49	13.25	3	Horizontal	27	2.22	-
5500MHz	Pass	AV	5.459G	42.91	54.00	-11.09	3.10	3	Vertical	206	1.40	-
5500MHz	Pass	AV	5.4972G	87.27	Inf	-Inf	3.14	3	Vertical	206	1.40	-
5500MHz	Pass	PK	5.4556G	55.19	74.00	-18.81	3.09	3	Vertical	206	1.40	-
5500MHz	Pass	PK	5.4672G	58.09	68.20	-10.11	3.11	3	Vertical	206	1.40	-
5500MHz	Pass	PK	5.5066G	96.73	Inf	-Inf	3.15	3	Vertical	206	1.40	-
5500MHz	Pass	AV	5.4598G	47.18	54.00	-6.82	3.10	3	Horizontal	160	1.94	-
5500MHz	Pass	AV	5.4972G	98.16	Inf	-Inf	3.14	3	Horizontal	160	1.94	-
5500MHz	Pass	PK	5.4598G	61.91	74.00	-12.09	3.10	3	Horizontal	160	1.94	-
5500MHz	Pass	PK	5.4672G	67.82	68.20	-0.38	3.11	3	Horizontal	160	1.94	-
5500MHz	Pass	PK	5.5066G	108.39	Inf	-Inf	3.15	3	Horizontal	160	1.94	-
5500MHz	Pass	AV	11.00034G	41.89	54.00	-12.11	14.03	3	Vertical	327	2.49	-
5500MHz	Pass	PK	10.99622G	54.09	74.00	-19.91	14.02	3	Vertical	327	2.49	-
5500MHz	Pass	AV	11.0044G	42.00	54.00	-12.00	14.02	3	Horizontal	30	1.66	-
5500MHz	Pass	PK	11.00304G	54.72	74.00	-19.28	14.03	3	Horizontal	30	1.66	-
5580MHz	Pass	AV	5.4528G	42.53	54.00	-11.47	3.09	3	Vertical	195	1.92	-
5580MHz	Pass	AV	5.574G	92.54	Inf	-Inf	3.28	3	Vertical	195	1.92	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5580MHz	Pass	PK	5.4402G	54.37	74.00	-19.63	3.07	3	Vertical	195	1.92	-
5580MHz	Pass	PK	5.4672G	55.00	68.20	-13.20	3.11	3	Vertical	195	1.92	-
5580MHz	Pass	PK	5.577G	101.76	Inf	-Inf	3.29	3	Vertical	195	1.92	-
5580MHz	Pass	PK	5.7282G	55.98	68.20	-12.22	3.59	3	Vertical	195	1.92	-
5580MHz	Pass	AV	5.4582G	43.30	54.00	-10.70	3.09	3	Horizontal	154	2.20	-
5580MHz	Pass	AV	5.577G	102.76	Inf	-Inf	3.29	3	Horizontal	154	2.20	-
5580MHz	Pass	PK	5.4534G	55.66	74.00	-18.34	3.09	3	Horizontal	154	2.20	-
5580MHz	Pass	PK	5.4696G	55.79	68.20	-12.41	3.11	3	Horizontal	154	2.20	-
5580MHz	Pass	PK	5.5836G	112.24	Inf	-Inf	3.31	3	Horizontal	154	2.20	-
5580MHz	Pass	PK	5.7264G	55.55	68.20	-12.65	3.59	3	Horizontal	154	2.20	-
5580MHz	Pass	AV	11.15886G	41.72	54.00	-12.28	13.89	3	Vertical	312	1.13	-
5580MHz	Pass	PK	11.162G	54.35	74.00	-19.65	13.88	3	Vertical	312	1.13	-
5580MHz	Pass	AV	11.16398G	41.73	54.00	-12.27	13.88	3	Horizontal	326	2.21	-
5580MHz	Pass	PK	11.16108G	54.75	74.00	-19.25	13.88	3	Horizontal	326	2.21	-
5700MHz	Pass	AV	5.694G	85.39	Inf	-Inf	3.53	3	Vertical	228	1.31	-
5700MHz	Pass	PK	5.696G	94.69	Inf	-Inf	3.53	3	Vertical	228	1.31	-
5700MHz	Pass	PK	5.7256G	59.64	68.20	-8.56	3.59	3	Vertical	228	1.31	-
5700MHz	Pass	AV	5.6972G	94.64	Inf	-Inf	3.54	3	Horizontal	172	1.25	-
5700MHz	Pass	PK	5.7064G	104.32	Inf	-Inf	3.55	3	Horizontal	172	1.25	-
5700MHz	Pass	PK	5.726G	67.57	68.20	-0.63	3.59	3	Horizontal	172	1.25	-
5700MHz	Pass	AV	11.39832G	40.98	54.00	-13.02	13.66	3	Vertical	310	1.82	-
5700MHz	Pass	PK	11.39986G	53.77	74.00	-20.23	13.66	3	Vertical	310	1.82	-
5700MHz	Pass	AV	11.40372G	41.07	54.00	-12.93	13.65	3	Horizontal	149	1.75	-
5700MHz	Pass	PK	11.4034G	54.46	74.00	-19.54	13.66	3	Horizontal	149	1.75	-
5745MHz	Pass	AV	5.7438G	93.81	Inf	-Inf	3.62	3	Vertical	190	1.85	-
5745MHz	Pass	PK	5.6262G	55.51	68.20	-12.69	3.40	3	Vertical	190	1.85	-
5745MHz	Pass	PK	5.7462G	103.37	Inf	-Inf	3.62	3	Vertical	190	1.85	-
5745MHz	Pass	PK	5.931G	55.81	68.20	-12.39	3.99	3	Vertical	190	1.85	-
5745MHz	Pass	AV	5.7498G	101.09	Inf	-Inf	3.63	3	Horizontal	168	1.04	-
5745MHz	Pass	PK	5.6502G	57.12	68.35	-11.23	3.44	3	Horizontal	168	1.04	-
5745MHz	Pass	PK	5.7498G	111.04	Inf	-Inf	3.63	3	Horizontal	168	1.04	-
5745MHz	Pass	PK	5.967G	55.69	68.20	-12.51	4.06	3	Horizontal	168	1.04	-
5745MHz	Pass	AV	11.49086G	41.24	54.00	-12.76	13.58	3	Vertical	83	2.41	-
5745MHz	Pass	PK	11.48506G	53.76	74.00	-20.24	13.59	3	Vertical	83	2.41	-
5745MHz	Pass	AV	11.48866G	41.32	54.00	-12.68	13.59	3	Horizontal	263	1.81	-
5745MHz	Pass	PK	11.48836G	54.43	74.00	-19.57	13.59	3	Horizontal	263	1.81	-
5785MHz	Pass	AV	5.7778G	92.08	Inf	-Inf	3.68	3	Vertical	190	1.79	-
5785MHz	Pass	PK	5.6398G	56.25	68.20	-11.95	3.43	3	Vertical	190	1.79	-
5785MHz	Pass	PK	5.7886G	102.29	Inf	-Inf	3.70	3	Vertical	190	1.79	-
5785MHz	Pass	PK	5.9602G	55.92	68.20	-12.28	4.04	3	Vertical	190	1.79	-
5785MHz	Pass	AV	5.7826G	101.00	Inf	-Inf	3.70	3	Horizontal	172	1.04	-
5785MHz	Pass	PK	5.6002G	56.20	68.20	-12.00	3.34	3	Horizontal	172	1.04	-
5785MHz	Pass	PK	5.7886G	110.98	Inf	-Inf	3.70	3	Horizontal	172	1.04	-
5785MHz	Pass	PK	5.9398G	56.71	68.20	-11.49	4.02	3	Horizontal	172	1.04	-
5785MHz	Pass	AV	11.57314G	41.18	54.00	-12.82	13.51	3	Vertical	12	1.54	-
5785MHz	Pass	PK	11.56952G	54.08	74.00	-19.92	13.50	3	Vertical	12	1.54	-
5785MHz	Pass	AV	11.56668G	41.15	54.00	-12.85	13.51	3	Horizontal	200	1.23	-
5785MHz	Pass	PK	11.57116G	54.13	74.00	-19.87	13.51	3	Horizontal	200	1.23	-
5825MHz	Pass	AV	5.8238G	92.86	Inf	-Inf	3.78	3	Vertical	192	1.79	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	PK	5.6006G	55.30	68.20	-12.90	3.34	3	Vertical	192	1.79	-
5825MHz	Pass	PK	5.8286G	103.18	Inf	-Inf	3.79	3	Vertical	192	1.79	-
5825MHz	Pass	PK	5.9258G	56.14	68.20	-12.06	3.99	3	Vertical	192	1.79	-
5825MHz	Pass	AV	5.8226G	101.17	Inf	-Inf	3.78	3	Horizontal	172	1.01	-
5825MHz	Pass	PK	5.5862G	55.77	68.20	-12.43	3.31	3	Horizontal	172	1.01	-
5825MHz	Pass	PK	5.8298G	110.58	Inf	-Inf	3.79	3	Horizontal	172	1.01	-
5825MHz	Pass	PK	5.933G	57.16	68.20	-11.04	4.00	3	Horizontal	172	1.01	-
5825MHz	Pass	AV	11.6536G	41.26	54.00	-12.74	13.42	3	Vertical	84	1.06	-
5825MHz	Pass	PK	11.6511G	53.73	74.00	-20.27	13.43	3	Vertical	84	1.06	-
5825MHz	Pass	AV	11.6461G	41.37	54.00	-12.63	13.44	3	Horizontal	170	2.16	-
5825MHz	Pass	PK	11.64712G	54.92	74.00	-19.08	13.43	3	Horizontal	170	2.16	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	44.79	54.00	-9.21	2.74	3	Vertical	209	2.03	-
5180MHz	Pass	AV	5.1822G	91.02	Inf	-Inf	2.78	3	Vertical	209	2.03	-
5180MHz	Pass	PK	5.1492G	60.27	74.00	-13.73	2.74	3	Vertical	209	2.03	-
5180MHz	Pass	PK	5.1844G	101.01	Inf	-Inf	2.78	3	Vertical	209	2.03	-
5180MHz	Pass	AV	5.1486G	53.85	54.00	-0.15	2.74	3	Horizontal	129	2.33	-
5180MHz	Pass	AV	5.1808G	102.43	Inf	-Inf	2.78	3	Horizontal	129	2.33	-
5180MHz	Pass	PK	5.1496G	72.71	74.00	-1.29	2.74	3	Horizontal	129	2.33	-
5180MHz	Pass	PK	5.183G	111.75	Inf	-Inf	2.78	3	Horizontal	129	2.33	-
5180MHz	Pass	AV	15.5434G	46.09	54.00	-7.91	14.06	3	Vertical	300	1.73	-
5180MHz	Pass	PK	15.5457G	59.24	74.00	-14.76	14.05	3	Vertical	300	1.73	-
5180MHz	Pass	AV	15.5408G	48.09	54.00	-5.91	14.08	3	Horizontal	339	2.61	-
5180MHz	Pass	PK	15.5329G	61.06	74.00	-12.94	14.11	3	Horizontal	339	2.61	-
5200MHz	Pass	AV	5.15G	44.00	54.00	-10.00	2.74	3	Vertical	234	1.23	-
5200MHz	Pass	AV	5.2024G	92.07	Inf	-Inf	2.80	3	Vertical	234	1.23	-
5200MHz	Pass	PK	5.1144G	55.72	74.00	-18.28	2.70	3	Vertical	234	1.23	-
5200MHz	Pass	PK	5.1952G	100.83	Inf	-Inf	2.80	3	Vertical	234	1.23	-
5200MHz	Pass	AV	5.15G	53.15	54.00	-0.85	2.74	3	Horizontal	160	2.35	-
5200MHz	Pass	AV	5.1972G	105.21	Inf	-Inf	2.80	3	Horizontal	160	2.35	-
5200MHz	Pass	PK	5.148G	69.88	74.00	-4.12	2.74	3	Horizontal	160	2.35	-
5200MHz	Pass	PK	5.2024G	114.52	Inf	-Inf	2.80	3	Horizontal	160	2.35	-
5200MHz	Pass	AV	15.6007G	50.16	54.00	-3.84	13.79	3	Vertical	301	1.79	-
5200MHz	Pass	PK	15.6059G	63.42	74.00	-10.58	13.77	3	Vertical	301	1.79	-
5200MHz	Pass	AV	15.5983G	49.51	54.00	-4.49	13.80	3	Horizontal	347	2.99	-
5200MHz	Pass	PK	15.5936G	61.69	74.00	-12.31	13.82	3	Horizontal	347	2.99	-
5240MHz	Pass	AV	5.1026G	43.18	54.00	-10.82	2.68	3	Vertical	246	2.39	-
5240MHz	Pass	AV	5.2346G	95.47	Inf	-Inf	2.83	3	Vertical	246	2.39	-
5240MHz	Pass	AV	5.3882G	42.54	54.00	-11.46	3.01	3	Vertical	246	2.39	-
5240MHz	Pass	PK	5.0966G	55.57	74.00	-18.43	2.68	3	Vertical	246	2.39	-
5240MHz	Pass	PK	5.2346G	104.89	Inf	-Inf	2.83	3	Vertical	246	2.39	-
5240MHz	Pass	PK	5.3756G	55.29	74.00	-18.71	3.00	3	Vertical	246	2.39	-
5240MHz	Pass	AV	5.1488G	45.81	54.00	-8.19	2.74	3	Horizontal	157	2.24	-
5240MHz	Pass	AV	5.2376G	105.79	Inf	-Inf	2.84	3	Horizontal	157	2.24	-
5240MHz	Pass	AV	5.3534G	43.93	54.00	-10.07	2.97	3	Horizontal	157	2.24	-
5240MHz	Pass	PK	5.1374G	57.94	74.00	-16.06	2.73	3	Horizontal	157	2.24	-
5240MHz	Pass	PK	5.2376G	115.36	Inf	-Inf	2.84	3	Horizontal	157	2.24	-
5240MHz	Pass	PK	5.351G	56.09	74.00	-17.91	2.97	3	Horizontal	157	2.24	-
5240MHz	Pass	AV	15.7184G	48.89	54.00	-5.11	13.22	3	Vertical	339	2.75	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5240MHz	Pass	PK	15.7207G	62.27	74.00	-11.73	13.21	3	Vertical	339	2.75	-
5240MHz	Pass	AV	15.7202G	53.43	54.00	-0.57	13.22	3	Horizontal	354	2.15	-
5240MHz	Pass	PK	15.7229G	66.81	74.00	-7.19	13.21	3	Horizontal	354	2.15	-
5260MHz	Pass	AV	5.113G	43.39	54.00	-10.61	2.70	3	Vertical	233	1.18	-
5260MHz	Pass	AV	5.257G	93.82	Inf	-Inf	2.86	3	Vertical	233	1.18	-
5260MHz	Pass	AV	5.392G	42.61	54.00	-11.39	3.02	3	Vertical	233	1.18	-
5260MHz	Pass	PK	5.1334G	56.36	74.00	-17.64	2.72	3	Vertical	233	1.18	-
5260MHz	Pass	PK	5.2672G	102.87	Inf	-Inf	2.88	3	Vertical	233	1.18	-
5260MHz	Pass	PK	5.4088G	55.14	74.00	-18.86	3.05	3	Vertical	233	1.18	-
5260MHz	Pass	AV	5.1466G	44.86	54.00	-9.14	2.74	3	Horizontal	159	2.31	-
5260MHz	Pass	AV	5.2576G	106.17	Inf	-Inf	2.86	3	Horizontal	159	2.31	-
5260MHz	Pass	AV	5.35G	44.55	54.00	-9.45	2.97	3	Horizontal	159	2.31	-
5260MHz	Pass	PK	5.1454G	57.92	74.00	-16.08	2.74	3	Horizontal	159	2.31	-
5260MHz	Pass	PK	5.2552G	115.63	Inf	-Inf	2.86	3	Horizontal	159	2.31	-
5260MHz	Pass	PK	5.3518G	57.09	74.00	-16.91	2.97	3	Horizontal	159	2.31	-
5260MHz	Pass	AV	15.7837G	48.80	54.00	-5.20	12.91	3	Vertical	337	2.76	-
5260MHz	Pass	PK	15.7859G	61.10	74.00	-12.90	12.90	3	Vertical	337	2.76	-
5260MHz	Pass	AV	15.776G	50.71	54.00	-3.29	12.95	3	Horizontal	323	2.86	-
5260MHz	Pass	PK	15.7736G	63.98	74.00	-10.02	12.96	3	Horizontal	323	2.86	-
5300MHz	Pass	AV	5.3024G	93.49	Inf	-Inf	2.91	3	Vertical	240	2.97	-
5300MHz	Pass	AV	5.35G	43.66	54.00	-10.34	2.97	3	Vertical	240	2.97	-
5300MHz	Pass	PK	5.3024G	102.90	Inf	-Inf	2.91	3	Vertical	240	2.97	-
5300MHz	Pass	PK	5.3536G	56.72	74.00	-17.28	2.97	3	Vertical	240	2.97	-
5300MHz	Pass	AV	5.3056G	105.08	Inf	-Inf	2.91	3	Horizontal	153	2.29	-
5300MHz	Pass	AV	5.35G	52.79	54.00	-1.21	2.97	3	Horizontal	153	2.29	-
5300MHz	Pass	PK	5.2952G	114.34	Inf	-Inf	2.91	3	Horizontal	153	2.29	-
5300MHz	Pass	PK	5.3508G	69.52	74.00	-4.48	2.97	3	Horizontal	153	2.29	-
5300MHz	Pass	AV	15.9031G	44.73	54.00	-9.27	12.34	3	Vertical	336	2.58	-
5300MHz	Pass	PK	15.9088G	56.86	74.00	-17.14	12.31	3	Vertical	336	2.58	-
5300MHz	Pass	AV	15.8947G	44.01	54.00	-9.99	12.38	3	Horizontal	159	1.63	-
5300MHz	Pass	PK	15.895G	55.58	74.00	-18.42	12.38	3	Horizontal	159	1.63	-
5320MHz	Pass	AV	5.3192G	91.85	Inf	-Inf	2.93	3	Vertical	247	2.99	-
5320MHz	Pass	AV	5.3518G	43.16	54.00	-10.84	2.97	3	Vertical	247	2.99	-
5320MHz	Pass	PK	5.317G	101.13	Inf	-Inf	2.93	3	Vertical	247	2.99	-
5320MHz	Pass	PK	5.3512G	56.14	74.00	-17.86	2.97	3	Vertical	247	2.99	-
5320MHz	Pass	AV	5.3234G	101.30	Inf	-Inf	2.94	3	Horizontal	170	2.26	-
5320MHz	Pass	AV	5.3508G	50.89	54.00	-3.11	2.97	3	Horizontal	170	2.26	-
5320MHz	Pass	PK	5.3186G	111.01	Inf	-Inf	2.93	3	Horizontal	170	2.26	-
5320MHz	Pass	PK	5.351G	72.27	74.00	-1.73	2.97	3	Horizontal	170	2.26	-
5320MHz	Pass	AV	15.9838G	43.55	54.00	-10.45	11.95	3	Vertical	106	1.85	-
5320MHz	Pass	PK	15.9838G	56.57	74.00	-17.43	11.95	3	Vertical	106	1.85	-
5320MHz	Pass	AV	15.9725G	42.49	54.00	-11.51	12.00	3	Horizontal	6	2.10	-
5320MHz	Pass	PK	15.9818G	54.68	74.00	-19.32	11.96	3	Horizontal	6	2.10	-
5500MHz	Pass	AV	5.4556G	42.98	54.00	-11.02	3.09	3	Vertical	240	1.50	-
5500MHz	Pass	AV	5.4952G	86.68	Inf	-Inf	3.14	3	Vertical	240	1.50	-
5500MHz	Pass	PK	5.45G	55.25	74.00	-18.75	3.08	3	Vertical	240	1.50	-
5500MHz	Pass	PK	5.4644G	56.44	68.20	-11.76	3.11	3	Vertical	240	1.50	-
5500MHz	Pass	PK	5.495G	95.92	Inf	-Inf	3.14	3	Vertical	240	1.50	-
5500MHz	Pass	AV	5.4598G	45.61	54.00	-8.39	3.10	3	Horizontal	175	2.18	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5500MHz	Pass	AV	5.5022G	99.83	Inf	-Inf	3.14	3	Horizontal	175	2.18	-
5500MHz	Pass	PK	5.4584G	61.42	74.00	-12.58	3.10	3	Horizontal	175	2.18	-
5500MHz	Pass	PK	5.4678G	67.22	68.20	-0.98	3.11	3	Horizontal	175	2.18	-
5500MHz	Pass	PK	5.5024G	109.26	Inf	-Inf	3.14	3	Horizontal	175	2.18	-
5500MHz	Pass	AV	11.00226G	41.82	54.00	-12.18	14.03	3	Vertical	298	2.23	-
5500MHz	Pass	PK	11.00298G	54.57	74.00	-19.43	14.03	3	Vertical	298	2.23	-
5500MHz	Pass	AV	11.00096G	41.81	54.00	-12.19	14.03	3	Horizontal	100	2.28	-
5500MHz	Pass	PK	10.99822G	54.84	74.00	-19.16	14.03	3	Horizontal	100	2.28	-
5580MHz	Pass	AV	5.4594G	42.78	54.00	-11.22	3.10	3	Vertical	270	1.59	-
5580MHz	Pass	AV	5.5824G	94.29	Inf	-Inf	3.31	3	Vertical	270	1.59	-
5580MHz	Pass	AV	5.7288G	43.30	Inf	-Inf	3.59	3	Vertical	270	1.59	-
5580MHz	Pass	PK	5.4504G	54.46	74.00	-19.54	3.09	3	Vertical	270	1.59	-
5580MHz	Pass	PK	5.4618G	55.06	68.20	-13.14	3.10	3	Vertical	270	1.59	-
5580MHz	Pass	PK	5.5776G	104.27	Inf	-Inf	3.29	3	Vertical	270	1.59	-
5580MHz	Pass	PK	5.7282G	55.27	68.20	-12.93	3.59	3	Vertical	270	1.59	-
5580MHz	Pass	AV	5.46G	44.23	54.00	-9.77	3.10	3	Horizontal	175	2.09	-
5580MHz	Pass	AV	5.577G	106.99	Inf	-Inf	3.29	3	Horizontal	175	2.09	-
5580MHz	Pass	AV	5.7252G	44.53	Inf	-Inf	3.59	3	Horizontal	175	2.09	-
5580MHz	Pass	PK	5.4528G	57.05	74.00	-16.95	3.09	3	Horizontal	175	2.09	-
5580MHz	Pass	PK	5.4678G	56.77	68.20	-11.43	3.11	3	Horizontal	175	2.09	-
5580MHz	Pass	PK	5.5842G	116.66	Inf	-Inf	3.31	3	Horizontal	175	2.09	-
5580MHz	Pass	PK	5.73G	55.95	68.20	-12.25	3.59	3	Horizontal	175	2.09	-
5580MHz	Pass	AV	16.7387G	47.06	54.00	-6.94	14.41	3	Vertical	291	2.48	-
5580MHz	Pass	PK	16.7435G	59.46	74.00	-14.54	14.42	3	Vertical	291	2.48	-
5580MHz	Pass	AV	16.7396G	46.66	54.00	-7.34	14.41	3	Horizontal	151	1.68	-
5580MHz	Pass	PK	16.7373G	58.89	74.00	-15.11	14.40	3	Horizontal	151	1.68	-
5700MHz	Pass	AV	5.7068G	84.25	Inf	-Inf	3.55	3	Vertical	210	2.09	-
5700MHz	Pass	PK	5.6968G	93.99	Inf	-Inf	3.54	3	Vertical	210	2.09	-
5700MHz	Pass	PK	5.7268G	57.29	68.20	-10.91	3.59	3	Vertical	210	2.09	-
5700MHz	Pass	AV	5.6956G	95.19	Inf	-Inf	3.53	3	Horizontal	158	1.95	-
5700MHz	Pass	PK	5.7032G	104.97	Inf	-Inf	3.54	3	Horizontal	158	1.95	-
5700MHz	Pass	PK	5.7284G	67.16	68.20	-1.04	3.59	3	Horizontal	158	1.95	-
5700MHz	Pass	AV	11.39602G	41.27	54.00	-12.73	13.67	3	Vertical	315	1.29	-
5700MHz	Pass	PK	11.40266G	53.90	74.00	-20.10	13.66	3	Vertical	315	1.29	-
5700MHz	Pass	AV	11.40338G	41.30	54.00	-12.70	13.66	3	Horizontal	196	1.16	-
5700MHz	Pass	PK	11.40472G	53.92	74.00	-20.08	13.65	3	Horizontal	196	1.16	-
5745MHz	Pass	AV	5.7414G	96.13	Inf	-Inf	3.62	3	Vertical	209	1.96	-
5745MHz	Pass	PK	5.6466G	56.33	68.20	-11.87	3.44	3	Vertical	209	1.96	-
5745MHz	Pass	PK	5.7414G	106.45	Inf	-Inf	3.62	3	Vertical	209	1.96	-
5745MHz	Pass	PK	5.979G	56.11	68.20	-12.09	4.09	3	Vertical	209	1.96	-
5745MHz	Pass	AV	5.7402G	107.59	Inf	-Inf	3.62	3	Horizontal	159	2.13	-
5745MHz	Pass	PK	5.649G	60.56	68.20	-7.64	3.44	3	Horizontal	159	2.13	-
5745MHz	Pass	PK	5.7462G	117.20	Inf	-Inf	3.62	3	Horizontal	159	2.13	-
5745MHz	Pass	PK	5.9658G	58.71	68.20	-9.49	4.06	3	Horizontal	159	2.13	-
5745MHz	Pass	AV	17.23924G	48.52	54.00	-5.48	16.92	3	Vertical	145	2.25	-
5745MHz	Pass	PK	17.23372G	61.26	74.00	-12.74	16.89	3	Vertical	145	2.25	-
5745MHz	Pass	AV	17.23886G	48.78	54.00	-5.22	16.92	3	Horizontal	237	2.39	-
5745MHz	Pass	PK	17.23116G	61.37	74.00	-12.63	16.87	3	Horizontal	237	2.39	-
5785MHz	Pass	AV	5.7802G	93.95	Inf	-Inf	3.69	3	Vertical	247	1.66	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5785MHz	Pass	PK	5.6314G	57.29	68.20	-10.91	3.40	3	Vertical	247	1.66	-
5785MHz	Pass	PK	5.7826G	104.04	Inf	-Inf	3.70	3	Vertical	247	1.66	-
5785MHz	Pass	PK	5.9518G	56.34	68.20	-11.86	4.03	3	Vertical	247	1.66	-
5785MHz	Pass	AV	5.7826G	106.59	Inf	-Inf	3.70	3	Horizontal	166	1.03	-
5785MHz	Pass	PK	5.6314G	56.98	68.20	-11.22	3.40	3	Horizontal	166	1.03	-
5785MHz	Pass	PK	5.7766G	116.12	Inf	-Inf	3.68	3	Horizontal	166	1.03	-
5785MHz	Pass	PK	5.9266G	56.62	68.20	-11.58	3.99	3	Horizontal	166	1.03	-
5785MHz	Pass	AV	17.3584G	48.84	54.00	-5.16	17.75	3	Vertical	294	2.47	-
5785MHz	Pass	PK	17.3515G	61.10	74.00	-12.90	17.70	3	Vertical	294	2.47	-
5785MHz	Pass	AV	17.35958G	49.10	54.00	-4.90	17.76	3	Horizontal	224	1.78	-
5785MHz	Pass	PK	17.35842G	62.09	74.00	-11.91	17.75	3	Horizontal	224	1.78	-
5825MHz	Pass	AV	5.8214G	96.02	Inf	-Inf	3.77	3	Vertical	257	2.13	-
5825MHz	Pass	PK	5.585G	55.95	68.20	-12.25	3.31	3	Vertical	257	2.13	-
5825MHz	Pass	PK	5.8238G	105.93	Inf	-Inf	3.78	3	Vertical	257	2.13	-
5825MHz	Pass	PK	5.939G	57.38	68.20	-10.82	4.01	3	Vertical	257	2.13	-
5825MHz	Pass	AV	5.8226G	106.87	Inf	-Inf	3.78	3	Horizontal	158	1.98	-
5825MHz	Pass	PK	5.609G	56.25	68.20	-11.95	3.36	3	Horizontal	158	1.98	-
5825MHz	Pass	PK	5.8202G	117.11	Inf	-Inf	3.77	3	Horizontal	158	1.98	-
5825MHz	Pass	PK	5.9318G	61.31	68.20	-6.89	3.99	3	Horizontal	158	1.98	-
5825MHz	Pass	AV	17.47736G	50.11	54.00	-3.89	18.55	3	Vertical	169	2.03	-
5825MHz	Pass	PK	17.4787G	63.10	74.00	-10.90	18.56	3	Vertical	169	2.03	-
5825MHz	Pass	AV	17.47166G	50.41	54.00	-3.59	18.52	3	Horizontal	204	2.23	-
5825MHz	Pass	PK	17.47532G	62.96	74.00	-11.04	18.53	3	Horizontal	204	2.23	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1496G	44.69	54.00	-9.31	2.74	3	Vertical	227	1.27	-
5190MHz	Pass	AV	5.1972G	82.94	Inf	-Inf	2.80	3	Vertical	227	1.27	-
5190MHz	Pass	PK	5.15G	58.24	74.00	-15.76	2.74	3	Vertical	227	1.27	-
5190MHz	Pass	PK	5.1928G	91.96	Inf	-Inf	2.79	3	Vertical	227	1.27	-
5190MHz	Pass	AV	5.1484G	52.33	54.00	-1.67	2.74	3	Horizontal	148	2.29	-
5190MHz	Pass	AV	5.198G	94.65	Inf	-Inf	2.80	3	Horizontal	148	2.29	-
5190MHz	Pass	PK	5.146G	69.62	74.00	-4.38	2.74	3	Horizontal	148	2.29	-
5190MHz	Pass	PK	5.188G	103.48	Inf	-Inf	2.78	3	Horizontal	148	2.29	-
5190MHz	Pass	AV	10.37958G	41.93	54.00	-12.07	12.67	3	Vertical	56	1.71	-
5190MHz	Pass	PK	10.37822G	53.79	74.00	-20.21	12.67	3	Vertical	56	1.71	-
5190MHz	Pass	AV	10.37828G	41.30	54.00	-12.70	12.67	3	Horizontal	98	1.23	-
5190MHz	Pass	PK	10.37612G	53.97	74.00	-20.03	12.67	3	Horizontal	98	1.23	-
5230MHz	Pass	AV	5.15G	45.63	54.00	-8.37	2.74	3	Vertical	225	1.25	-
5230MHz	Pass	AV	5.2148G	89.57	Inf	-Inf	2.82	3	Vertical	225	1.25	-
5230MHz	Pass	PK	5.1472G	59.15	74.00	-14.85	2.74	3	Vertical	225	1.25	-
5230MHz	Pass	PK	5.22G	97.77	Inf	-Inf	2.82	3	Vertical	225	1.25	-
5230MHz	Pass	AV	5.148G	52.57	54.00	-1.43	2.74	3	Horizontal	147	2.28	-
5230MHz	Pass	AV	5.2204G	100.58	Inf	-Inf	2.82	3	Horizontal	147	2.28	-
5230MHz	Pass	PK	5.1464G	68.69	74.00	-5.31	2.74	3	Horizontal	147	2.28	-
5230MHz	Pass	PK	5.218G	109.63	Inf	-Inf	2.82	3	Horizontal	147	2.28	-
5230MHz	Pass	AV	10.46274G	41.94	54.00	-12.06	12.86	3	Vertical	331	1.99	-
5230MHz	Pass	PK	10.46156G	54.14	74.00	-19.86	12.86	3	Vertical	331	1.99	-
5230MHz	Pass	AV	10.457G	41.88	54.00	-12.12	12.84	3	Horizontal	174	1.05	-
5230MHz	Pass	PK	10.46326G	54.27	74.00	-19.73	12.86	3	Horizontal	174	1.05	-
5270MHz	Pass	AV	5.2612G	92.40	Inf	-Inf	2.87	3	Vertical	255	2.48	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5270MHz	Pass	AV	5.3508G	46.52	54.00	-7.48	2.97	3	Vertical	255	2.48	-
5270MHz	Pass	PK	5.2688G	101.30	Inf	-Inf	2.88	3	Vertical	255	2.48	-
5270MHz	Pass	PK	5.3564G	61.64	74.00	-12.36	2.97	3	Vertical	255	2.48	-
5270MHz	Pass	AV	5.2632G	101.09	Inf	-Inf	2.87	3	Horizontal	140	2.95	-
5270MHz	Pass	AV	5.3504G	53.18	54.00	-0.82	2.97	3	Horizontal	140	2.95	-
5270MHz	Pass	PK	5.258G	109.90	Inf	-Inf	2.86	3	Horizontal	140	2.95	-
5270MHz	Pass	PK	5.3568G	69.30	74.00	-4.70	2.97	3	Horizontal	140	2.95	-
5270MHz	Pass	AV	15.8108G	45.86	54.00	-8.14	12.78	3	Vertical	204	2.14	-
5270MHz	Pass	PK	15.7974G	57.98	74.00	-16.02	12.84	3	Vertical	204	2.14	-
5270MHz	Pass	AV	15.8134G	43.34	54.00	-10.66	12.76	3	Horizontal	282	1.03	-
5270MHz	Pass	PK	15.804G	54.73	74.00	-19.27	12.81	3	Horizontal	282	1.03	-
5310MHz	Pass	AV	5.3224G	83.09	Inf	-Inf	2.94	3	Vertical	214	1.20	-
5310MHz	Pass	AV	5.3524G	44.78	54.00	-9.22	2.97	3	Vertical	214	1.20	-
5310MHz	Pass	PK	5.3204G	92.58	Inf	-Inf	2.93	3	Vertical	214	1.20	-
5310MHz	Pass	PK	5.3504G	60.33	74.00	-13.67	2.97	3	Vertical	214	1.20	-
5310MHz	Pass	AV	5.3248G	95.02	Inf	-Inf	2.94	3	Horizontal	169	2.14	-
5310MHz	Pass	AV	5.3504G	52.65	54.00	-1.35	2.97	3	Horizontal	169	2.14	-
5310MHz	Pass	PK	5.3176G	103.80	Inf	-Inf	2.93	3	Horizontal	169	2.14	-
5310MHz	Pass	PK	5.35G	71.11	74.00	-2.89	2.97	3	Horizontal	169	2.14	-
5310MHz	Pass	AV	10.61678G	39.31	54.00	-14.69	13.19	3	Vertical	349	2.02	-
5310MHz	Pass	PK	10.62202G	51.01	74.00	-22.99	13.21	3	Vertical	349	2.02	-
5310MHz	Pass	AV	10.62474G	39.28	54.00	-14.72	13.21	3	Horizontal	100	1.74	-
5310MHz	Pass	PK	10.61682G	51.15	74.00	-22.85	13.19	3	Horizontal	100	1.74	-
5510MHz	Pass	AV	5.4596G	43.90	54.00	-10.10	3.10	3	Vertical	239	1.29	-
5510MHz	Pass	AV	5.5268G	81.57	Inf	-Inf	3.20	3	Vertical	239	1.29	-
5510MHz	Pass	PK	5.4364G	55.60	74.00	-18.40	3.07	3	Vertical	239	1.29	-
5510MHz	Pass	PK	5.4636G	56.54	68.20	-11.66	3.10	3	Vertical	239	1.29	-
5510MHz	Pass	PK	5.5196G	89.99	Inf	-Inf	3.18	3	Vertical	239	1.29	-
5510MHz	Pass	AV	5.46G	47.24	54.00	-6.76	3.10	3	Horizontal	164	2.24	-
5510MHz	Pass	AV	5.5196G	94.69	Inf	-Inf	3.18	3	Horizontal	164	2.24	-
5510MHz	Pass	PK	5.46G	62.30	74.00	-11.70	3.10	3	Horizontal	164	2.24	-
5510MHz	Pass	PK	5.4644G	67.12	68.20	-1.08	3.11	3	Horizontal	164	2.24	-
5510MHz	Pass	PK	5.5248G	103.28	Inf	-Inf	3.19	3	Horizontal	164	2.24	-
5510MHz	Pass	AV	11.0187G	40.32	54.00	-13.68	14.01	3	Vertical	50	1.05	-
5510MHz	Pass	PK	11.01564G	52.36	74.00	-21.64	14.02	3	Vertical	50	1.05	-
5510MHz	Pass	AV	11.01914G	40.09	54.00	-13.91	14.01	3	Horizontal	186	1.29	-
5510MHz	Pass	PK	11.02152G	52.46	74.00	-21.54	14.01	3	Horizontal	186	1.29	-
5550MHz	Pass	AV	5.456G	44.36	54.00	-9.64	3.09	3	Vertical	214	1.49	-
5550MHz	Pass	AV	5.5412G	88.72	Inf	-Inf	3.23	3	Vertical	214	1.49	-
5550MHz	Pass	PK	5.4592G	55.55	74.00	-18.45	3.10	3	Vertical	214	1.49	-
5550MHz	Pass	PK	5.4692G	58.50	68.20	-9.70	3.11	3	Vertical	214	1.49	-
5550MHz	Pass	PK	5.5436G	97.07	Inf	-Inf	3.23	3	Vertical	214	1.49	-
5550MHz	Pass	AV	5.4584G	50.00	54.00	-4.00	3.10	3	Horizontal	158	2.22	-
5550MHz	Pass	AV	5.5552G	101.82	Inf	-Inf	3.25	3	Horizontal	158	2.22	-
5550MHz	Pass	PK	5.4564G	63.92	74.00	-10.08	3.09	3	Horizontal	158	2.22	-
5550MHz	Pass	PK	5.4688G	67.24	68.20	-0.96	3.11	3	Horizontal	158	2.22	-
5550MHz	Pass	PK	5.5432G	110.65	Inf	-Inf	3.23	3	Horizontal	158	2.22	-
5550MHz	Pass	AV	11.09516G	42.96	54.00	-11.04	13.94	3	Vertical	299	1.77	-
5550MHz	Pass	PK	11.10464G	55.83	74.00	-18.17	13.93	3	Vertical	299	1.77	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5550MHz	Pass	AV	11.09582G	42.93	54.00	-11.07	13.94	3	Horizontal	111	1.66	-
5550MHz	Pass	PK	11.10416G	54.65	74.00	-19.35	13.93	3	Horizontal	111	1.66	-
5670MHz	Pass	AV	5.6772G	86.16	Inf	-Inf	3.49	3	Vertical	251	2.08	-
5670MHz	Pass	PK	5.6844G	95.35	Inf	-Inf	3.51	3	Vertical	251	2.08	-
5670MHz	Pass	PK	5.727G	56.92	68.20	-11.28	3.59	3	Vertical	251	2.08	-
5670MHz	Pass	AV	5.6748G	98.48	Inf	-Inf	3.48	3	Horizontal	160	2.04	-
5670MHz	Pass	PK	5.6796G	107.60	Inf	-Inf	3.50	3	Horizontal	160	2.04	-
5670MHz	Pass	PK	5.7288G	68.13	68.20	-0.07	3.59	3	Horizontal	160	2.04	-
5670MHz	Pass	AV	11.34268G	41.98	54.00	-12.02	13.72	3	Vertical	30	1.37	-
5670MHz	Pass	PK	11.33948G	53.97	74.00	-20.03	13.71	3	Vertical	30	1.37	-
5670MHz	Pass	AV	11.34482G	42.23	54.00	-11.77	13.72	3	Horizontal	106	1.60	-
5670MHz	Pass	PK	11.33794G	54.43	74.00	-19.57	13.72	3	Horizontal	106	1.60	-
5755MHz	Pass	AV	5.7622G	89.88	Inf	-Inf	3.66	3	Vertical	221	1.49	-
5755MHz	Pass	PK	5.6446G	56.15	68.20	-12.05	3.43	3	Vertical	221	1.49	-
5755MHz	Pass	PK	5.7574G	98.12	Inf	-Inf	3.65	3	Vertical	221	1.49	-
5755MHz	Pass	PK	5.935G	56.46	68.20	-11.74	4.00	3	Vertical	221	1.49	-
5755MHz	Pass	AV	5.7586G	103.05	Inf	-Inf	3.65	3	Horizontal	150	2.24	-
5755MHz	Pass	PK	5.653G	68.63	70.42	-1.79	3.44	3	Horizontal	150	2.24	-
5755MHz	Pass	PK	5.7502G	111.99	Inf	-Inf	3.64	3	Horizontal	150	2.24	-
5755MHz	Pass	PK	5.9314G	58.56	68.20	-9.64	3.99	3	Horizontal	150	2.24	-
5755MHz	Pass	AV	11.50652G	40.56	54.00	-13.44	13.56	3	Vertical	263	1.12	-
5755MHz	Pass	PK	11.5052G	52.39	74.00	-21.61	13.56	3	Vertical	263	1.12	-
5755MHz	Pass	AV	11.50918G	42.32	54.00	-11.68	13.56	3	Horizontal	29	1.30	-
5755MHz	Pass	PK	11.50962G	54.01	74.00	-19.99	13.56	3	Horizontal	29	1.30	-
5795MHz	Pass	AV	5.789G	90.64	Inf	-Inf	3.70	3	Vertical	260	1.56	-
5795MHz	Pass	PK	5.651G	57.53	68.94	-11.41	3.44	3	Vertical	260	1.56	-
5795MHz	Pass	PK	5.7914G	99.82	Inf	-Inf	3.71	3	Vertical	260	1.56	-
5795MHz	Pass	PK	5.9294G	56.56	68.20	-11.64	3.99	3	Vertical	260	1.56	-
5795MHz	Pass	AV	5.801G	103.70	Inf	-Inf	3.73	3	Horizontal	150	2.20	-
5795MHz	Pass	PK	5.639G	60.41	68.20	-7.79	3.42	3	Horizontal	150	2.20	-
5795MHz	Pass	PK	5.8082G	112.88	Inf	-Inf	3.75	3	Horizontal	150	2.20	-
5795MHz	Pass	PK	5.9234G	68.10	69.38	-1.28	3.98	3	Horizontal	150	2.20	-
5795MHz	Pass	AV	11.59398G	42.57	54.00	-11.43	13.49	3	Vertical	185	2.43	-
5795MHz	Pass	PK	11.58674G	54.50	74.00	-19.50	13.49	3	Vertical	185	2.43	-
5795MHz	Pass	AV	11.58694G	42.09	54.00	-11.91	13.49	3	Horizontal	289	2.32	-
5795MHz	Pass	PK	11.58786G	54.60	74.00	-19.40	13.50	3	Horizontal	289	2.32	-
802.11ac VHT80_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.147G	46.35	54.00	-7.65	2.74	3	Vertical	219	1.29	-
5210MHz	Pass	AV	5.198G	79.89	Inf	-Inf	2.80	3	Vertical	219	1.29	-
5210MHz	Pass	AV	5.437G	45.10	54.00	-8.90	3.07	3	Vertical	219	1.29	-
5210MHz	Pass	PK	5.107G	56.27	74.00	-17.73	2.68	3	Vertical	219	1.29	-
5210MHz	Pass	PK	5.2G	89.58	Inf	-Inf	2.80	3	Vertical	219	1.29	-
5210MHz	Pass	PK	5.46G	55.36	74.00	-18.64	3.10	3	Vertical	219	1.29	-
5210MHz	Pass	AV	5.147G	53.08	54.00	-0.92	2.74	3	Horizontal	144	2.23	-
5210MHz	Pass	AV	5.198G	90.83	Inf	-Inf	2.80	3	Horizontal	144	2.23	-
5210MHz	Pass	AV	5.431G	45.17	54.00	-8.83	3.06	3	Horizontal	144	2.23	-
5210MHz	Pass	PK	5.15G	64.47	74.00	-9.53	2.74	3	Horizontal	144	2.23	-
5210MHz	Pass	PK	5.191G	100.35	Inf	-Inf	2.78	3	Horizontal	144	2.23	-
5210MHz	Pass	PK	5.434G	55.00	74.00	-19.00	3.06	3	Horizontal	144	2.23	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5210MHz	Pass	AV	10.41834G	41.23	54.00	-12.77	12.77	3	Vertical	195	1.91	-
5210MHz	Pass	PK	10.41566G	52.17	74.00	-21.83	12.76	3	Vertical	195	1.91	-
5210MHz	Pass	AV	10.41636G	41.23	54.00	-12.77	12.76	3	Horizontal	299	1.78	-
5210MHz	Pass	PK	10.42122G	52.15	74.00	-21.85	12.77	3	Horizontal	299	1.78	-
5290MHz	Pass	AV	5.08G	45.57	54.00	-8.43	2.66	3	Vertical	210	1.19	-
5290MHz	Pass	AV	5.283G	81.74	Inf	-Inf	2.89	3	Vertical	210	1.19	-
5290MHz	Pass	AV	5.353G	47.32	54.00	-6.68	2.97	3	Vertical	210	1.19	-
5290MHz	Pass	PK	5.057G	55.67	74.00	-18.33	2.63	3	Vertical	210	1.19	-
5290MHz	Pass	PK	5.277G	89.56	Inf	-Inf	2.88	3	Vertical	210	1.19	-
5290MHz	Pass	PK	5.531G	55.14	68.20	-13.06	3.20	3	Vertical	210	1.19	-
5290MHz	Pass	AV	5.141G	49.31	54.00	-4.69	2.73	3	Horizontal	139	2.30	-
5290MHz	Pass	AV	5.278G	92.50	Inf	-Inf	2.88	3	Horizontal	139	2.30	-
5290MHz	Pass	AV	5.35G	53.95	54.00	-0.05	2.97	3	Horizontal	139	2.30	-
5290MHz	Pass	PK	5.146G	59.42	74.00	-14.58	2.74	3	Horizontal	139	2.30	-
5290MHz	Pass	PK	5.276G	100.82	Inf	-Inf	2.88	3	Horizontal	139	2.30	-
5290MHz	Pass	PK	5.35G	66.66	74.00	-7.34	2.97	3	Horizontal	139	2.30	-
5290MHz	Pass	AV	10.58016G	43.36	54.00	-10.64	13.11	3	Vertical	196	2.19	-
5290MHz	Pass	PK	10.57732G	54.67	74.00	-19.33	13.11	3	Vertical	196	2.19	-
5290MHz	Pass	AV	10.5838G	43.26	54.00	-10.74	13.12	3	Horizontal	289	1.87	-
5290MHz	Pass	PK	10.58348G	54.16	74.00	-19.84	13.12	3	Horizontal	289	1.87	-
5530MHz	Pass	AV	5.46G	44.99	54.00	-9.01	3.10	3	Vertical	237	1.09	-
5530MHz	Pass	AV	5.541G	79.80	Inf	-Inf	3.23	3	Vertical	237	1.09	-
5530MHz	Pass	PK	5.341G	53.73	68.20	-14.47	2.96	3	Vertical	237	1.09	-
5530MHz	Pass	PK	5.459G	56.38	74.00	-17.62	3.10	3	Vertical	237	1.09	-
5530MHz	Pass	PK	5.467G	57.24	68.20	-10.96	3.11	3	Vertical	237	1.09	-
5530MHz	Pass	PK	5.539G	87.97	Inf	-Inf	3.22	3	Vertical	237	1.09	-
5530MHz	Pass	PK	5.771G	54.85	68.20	-13.35	3.68	3	Vertical	237	1.09	-
5530MHz	Pass	AV	5.445G	53.28	54.00	-0.72	3.08	3	Horizontal	164	2.10	-
5530MHz	Pass	AV	5.542G	94.23	Inf	-Inf	3.23	3	Horizontal	164	2.10	-
5530MHz	Pass	PK	5.32G	55.73	68.20	-12.47	2.93	3	Horizontal	164	2.10	-
5530MHz	Pass	PK	5.445G	64.96	74.00	-9.04	3.08	3	Horizontal	164	2.10	-
5530MHz	Pass	PK	5.467G	67.74	68.20	-0.46	3.11	3	Horizontal	164	2.10	-
5530MHz	Pass	PK	5.54G	103.25	Inf	-Inf	3.23	3	Horizontal	164	2.10	-
5530MHz	Pass	PK	5.74G	56.57	68.20	-11.63	3.62	3	Horizontal	164	2.10	-
5530MHz	Pass	AV	11.05862G	44.32	54.00	-9.68	13.97	3	Vertical	128	2.01	-
5530MHz	Pass	PK	11.05906G	55.25	74.00	-18.75	13.97	3	Vertical	128	2.01	-
5530MHz	Pass	AV	11.06174G	43.89	54.00	-10.11	13.97	3	Horizontal	131	2.21	-
5530MHz	Pass	PK	11.05926G	55.87	74.00	-18.13	13.97	3	Horizontal	131	2.21	-
5775MHz	Pass	AV	5.757G	84.17	Inf	-Inf	3.65	3	Vertical	240	1.32	-
5775MHz	Pass	PK	5.6334G	56.77	68.20	-11.43	3.41	3	Vertical	240	1.32	-
5775MHz	Pass	PK	5.7606G	93.36	Inf	-Inf	3.65	3	Vertical	240	1.32	-
5775MHz	Pass	PK	5.9262G	56.76	68.20	-11.44	3.99	3	Vertical	240	1.32	-
5775MHz	Pass	AV	5.763G	98.81	Inf	-Inf	3.66	3	Horizontal	152	2.10	-
5775MHz	Pass	PK	5.6502G	66.77	68.35	-1.58	3.44	3	Horizontal	152	2.10	-
5775MHz	Pass	PK	5.769G	107.50	Inf	-Inf	3.68	3	Horizontal	152	2.10	-
5775MHz	Pass	PK	5.9298G	66.24	68.20	-1.96	3.99	3	Horizontal	152	2.10	-
5775MHz	Pass	AV	11.54528G	43.08	54.00	-10.92	13.53	3	Vertical	199	1.64	-
5775MHz	Pass	PK	11.5544G	53.96	74.00	-20.04	13.52	3	Vertical	199	1.64	-
5775MHz	Pass	AV	11.55978G	44.20	54.00	-9.80	13.52	3	Horizontal	252	1.74	-



RSE TX above 1GHz Result_PCB Antenna

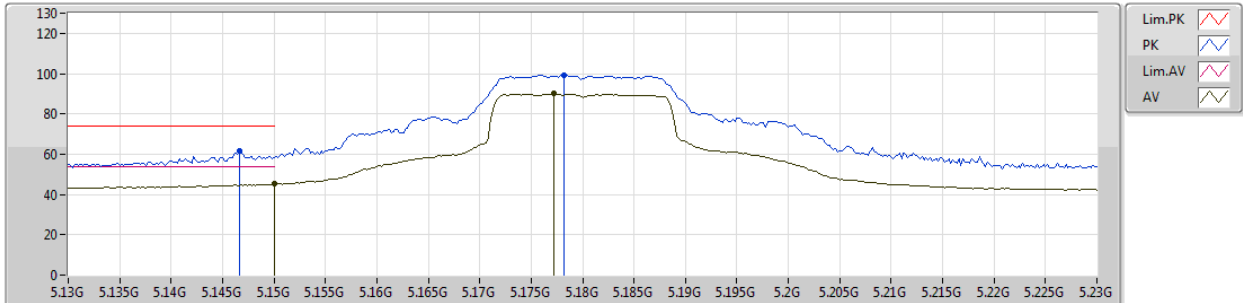
Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5775MHz	Pass	PK	11.53866G	54.45	74.00	-19.55	13.54	3	Horizontal	252	1.74	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

19/09/2018

5180MHz_TX

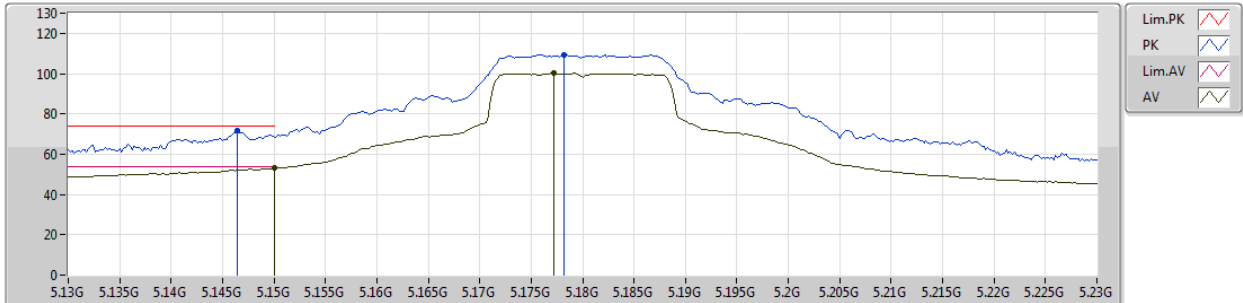


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.15G	45.18	54.00	-8.82	2.74	3	Vertical	216	1.29	-
AV	5.1772G	90.01	Inf	-Inf	2.77	3	Vertical	216	1.29	-
PK	5.1466G	61.51	74.00	-12.49	2.74	3	Vertical	216	1.29	-
PK	5.1782G	99.35	Inf	-Inf	2.77	3	Vertical	216	1.29	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

19/09/2018

5180MHz_TX

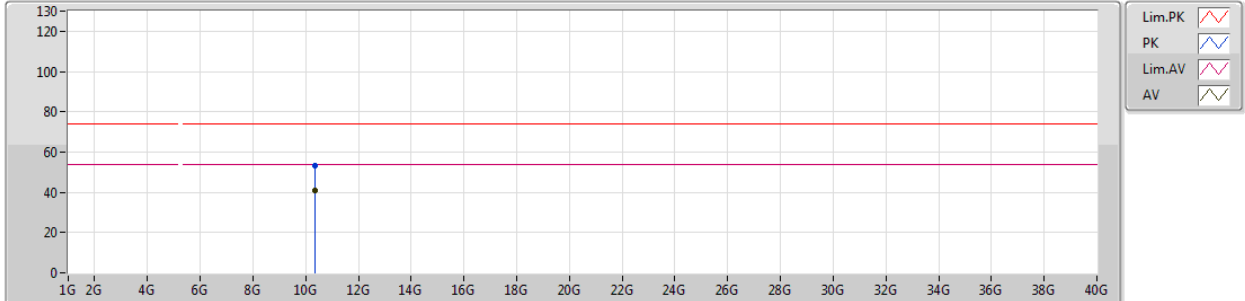


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.15G	53.16	54.00	-0.84	2.74	3	Horizontal	136	2.34	-
AV	5.1772G	100.12	Inf	-Inf	2.77	3	Horizontal	136	2.34	-
PK	5.1464G	71.45	74.00	-2.55	2.74	3	Horizontal	136	2.34	-
PK	5.1782G	109.53	Inf	-Inf	2.77	3	Horizontal	136	2.34	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

19/09/2018

5180MHz_TX

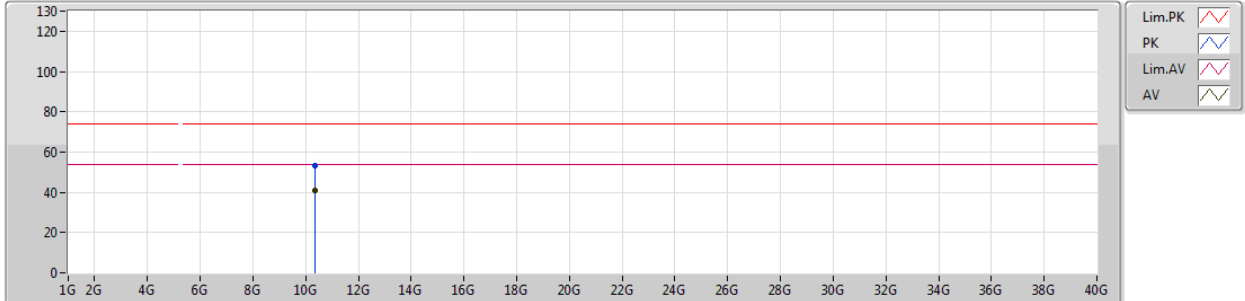


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.35526G	40.69	54.00	-13.31	12.63	3	Vertical	222	1.87	-
PK	10.35644G	53.50	74.00	-20.50	12.63	3	Vertical	222	1.87	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

19/09/2018

5180MHz_TX

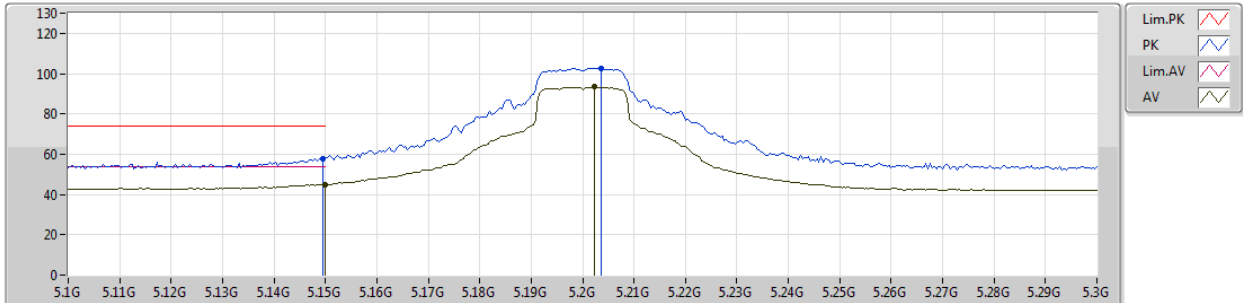


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.3618G	41.07	54.00	-12.93	12.64	3	Horizontal	305	1.03	-
PK	10.3576G	53.47	74.00	-20.53	12.63	3	Horizontal	305	1.03	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

19/09/2018

5200MHz_TX

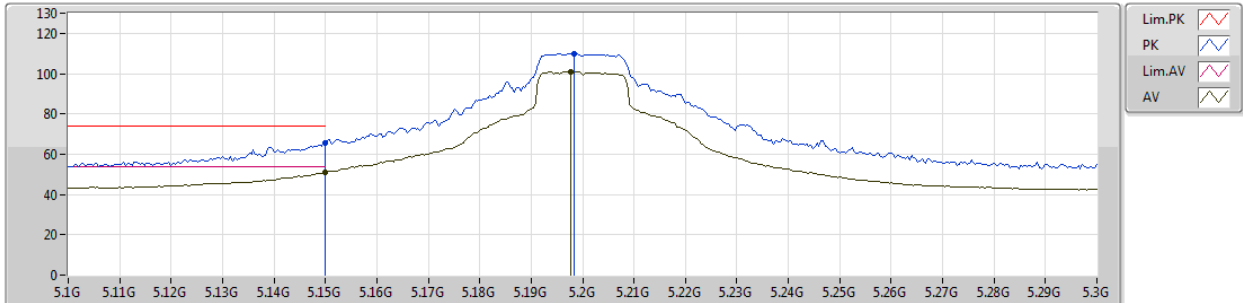


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.15G	45.10	54.00	-8.90	2.74	3	Vertical	214	1.27	-
AV	5.2024G	93.38	Inf	-Inf	2.80	3	Vertical	214	1.27	-
PK	5.1496G	57.98	74.00	-16.02	2.74	3	Vertical	214	1.27	-
PK	5.2036G	102.58	Inf	-Inf	2.80	3	Vertical	214	1.27	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

19/09/2018

5200MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.15G	51.02	54.00	-2.98	2.74	3	Horizontal	141	1.96	-
AV	5.1976G	100.71	Inf	-Inf	2.80	3	Horizontal	141	1.96	-
PK	5.15G	65.68	74.00	-8.32	2.74	3	Horizontal	141	1.96	-
PK	5.1984G	109.93	Inf	-Inf	2.80	3	Horizontal	141	1.96	-